

Manuel Salto-Tellez  
School of Medicine, Dentistry and Biomedical Sciences  
Patrick G. Johnson Centre for Cancer Research  
**Postal address:**  
Room 0G.003 - H.S.B  
United Kingdom  
**Email:** m.salto-tellez@qub.ac.uk  
**Phone:** +44 (0)28 9097 2178



#### **The clinical and molecular significance associated with STING signaling in breast cancer**

Parkes, E. E., Humphries, M. P., Gilmore, E., Sidi, F. A., Bingham, V., Phyu, S. M., Craig, S., Graham, C., Miller, J., Griffin, D., Salto-Tellez, M., Madden, S., Kennedy, R. D., Bakhom, S. F., McQuaid, S. & Buckley, N. E., 25 Jun 2021, In: *npj Breast Cancer*. 7, 11 p., 81.

#### **Evolutionary genetic algorithm identifies IL2RB as a potential predictive biomarker for immune-checkpoint therapy in colorectal cancer**

Alderdice, M., Craig, S. G., Humphries, M. P., Gilmore, A., Johnston, N., Bingham, V., Coyle, V., Senevirathne, S., Longley, D. B., Loughrey, M. B., McQuaid, S., James, J. A., Salto-Tellez, M., Lawler, M. & McArt, D. G., 01 Jun 2021, In: *NAR Genomics and Bioinformatics*. 3, 2, p. lqab016

#### **Robustness of differential gene expression analysis of RNA-seq**

Stupnikov, A., McInerney, C. E., Savage, K. I., McIntosh, S. A., Emmert-Streib, F., Kennedy, R., Salto-Tellez, M., Prise, K. M. & McArt, D. G., 26 May 2021, In: *Computational and Structural Biotechnology Journal*. 19, p. 3470-3481 12 p.

#### **Severity of gastric intestinal metaplasia predicts the risk of gastric cancer: a prospective multicentre cohort study (GCEP)**

Lee, J. W. J., Zhu, F., Srivastava, S., Tsao, S. K., Khor, C., Ho, K. Y., Fock, K. M., Lim, W. C., Ang, T. L., Chow, W. C., So, J. B. Y., Koh, C. J., Chua, S. J., Wong, A. S. Y., Rao, J., Lim, L. G., Ling, K. L., Chia, C-K., Ooi, C. J., Rajnakova, A. & 8 others, Yap, W. M., Salto-Tellez, M., Ho, B., Soong, R., Chia, K. S., Teo, Y. Y., Teh, M. & Yeoh, K-G., 11 May 2021, (Early online date) In: *Gut*.

#### **Identifying mismatch repair deficient colon cancer near perfect concordance between immunohistochemistry and microsatellite instability testing in a large, population-based series**

Loughrey, M. B., McGrath, J., Coleman, H. G., Bankhead, P., Maxwell, P., McGready, C., Bingham, V., Humphries, M. P., Craig, S. G., McQuaid, S., Salto-Tellez, M. & James, J. A., Feb 2021, In: *Histopathology*. 78, 3, p. 401-413

#### **QuPath: The global impact of an open source digital pathology system**

Humphries, M. P., Maxwell, P. & Salto-Tellez, M., 21 Jan 2021, In: *Computational and Structural Biotechnology Journal*. 19, p. 852-859

#### **In-depth Clinical and Biological Exploration of DNA Damage Immune Response as a Biomarker for Oxaliplatin Use in Colorectal Cancer**

Malla, S. B., Fisher, D. J., Domingo, E., Blake, A., Hassanieh, S., Redmond, K. L., Richman, S. D., Youdell, M., Walker, S. M., Logan, G. E., Chatzipli, A., Amirhah, R., Humphries, M. P., Craig, S. G., McDermott, U., Seymour, M. T., Morton, D. G., Quirke, P., West, N. P., Salto-Tellez, M. & 12 others, Kennedy, R. D., Johnston, P. G., Tomlinson, I., Koelzer, V. H., Campo, L., Kaplan, R. S., Longley, D. B., Lawler, M., Maughan, T. S., Brown, L. C., Dunne, P. D. & Consortium, S. C., 01 Jan 2021, In: *Clinical Cancer Research*. 27, 1, p. 288-300

#### **Metastasis and immune evasion from extracellular cGAMP hydrolysis**

Li, J., Duran, M. A., Dhanota, N., Chatila, W. K., Bettigole, S. E., Kwon, J., Sriram, R. K., Humphries, M. P., Salto-Tellez, M., James, J. A., Hanna, M. G., Melms, J. C., Vallabhaneni, S., Litchfield, K., Usaite, I., Biswas, D., Bareja, R., Li, H. W., Martin, M. L., Dorsaint, P. & 21 others, Cavallo, J-A., Li, P., Pauli, C., Gottesdiener, L., DiPardo, B. J., Hollmann, T. J., Merghoub, T., Wen, H. Y., Reis-Filho, J. S., Riaz, N., Su, S-S. M., Kalbasi, A., Vasan, N., Powell, S. N., Wolchok, J. D., Elemento, O., Swanton, C., Shoushtari, A. N., Parkes, E. E., Izar, B. & Bakhom, S. F., 28 Dec 2020, (Early online date) In: *Cancer discovery*. Early Online, p. xx

#### **PD-L1 Multiplex and Quantitative Image Analysis for Molecular Diagnostics**

Abdullahi Sidi, F., Bingham, V., Craig, S. G., McQuaid, S., James, J., Humphries, M. P. & Salto-Tellez, M., 23 Dec 2020, In: *Cancers*. 13, 1, p. 1-12 12 p., 29.

**Immune status is prognostic for poor survival in colorectal cancer patients and is associated with tumour hypoxia**

Craig, S. G., Humphries, M. P., Alderdice, M., Bingham, V., Richman, S. D., Loughrey, M. B., Coleman, H. G., Viratham-Pulsawatdi, A., McCombe, K., Murray, G. I., Blake, A., Domingo, E., Robineau, J., Brown, L., Fisher, D., Seymour, M. T., Quirke, P., Bankhead, P., McQuaid, S., Lawler, M. & 4 others, McArt, D. G., Maughan, T. S., James, J. A. & Salto-Tellez, M., 13 Oct 2020, In: British Journal of Cancer. 123, 8, p. 1280–1288

**Gastrointestinal tissue-based molecular biomarkers: a practical categorisation based on the 2019 World Health Organization classification of epithelial digestive tumours**

Quezada-Marín, J. I., Lam, A. K., Ochiai, A., Odze, R. D., Washington, K. M., Fukayama, M., Rugge, M., Klimstra, D. S., Nagtegaal, I. D., Tan, P.-H., Arends, M. J., Goldblum, J. R., Cree, I. A. & Salto-Tellez, M., 20 Sep 2020, In: Histopathology. 77, 3, p. 340-350 11 p.

**Low-contact and high-interconnectivity pathology (LC&HI Path): post-COVID19-pandemic practice of pathology**

Arends, M. J. & Salto-Tellez, M., 17 Sep 2020, (Early online date) In: Histopathology. 77, 4, p. 518-524 7 p.

**A robust multiplex immunofluorescence and digital pathology workflow for the characterisation of the tumour immune microenvironment**

Viratham Pulsawatdi, A., Craig, S. G., Bingham, V., McCombe, K., Humphries, M. P., Senevirathne, S., Richman, S. D., Quirke, P., Campo, L., Domingo, E., Maughan, T. S., James, J. A. & Salto-Tellez, M., 16 Jul 2020, (Early online date) In: Molecular oncology.

**Digital pathology and artificial intelligence will be key to supporting clinical and academic cellular pathology through COVID-19 and future crises: The PathLAKE consortium perspective**

Browning, L., Colling, R., Rakha, E., Rajpoot, N., Rittscher, J., James, J. A., Salto-Tellez, M., Snead, D. J. & Verrill, C., 03 Jul 2020, (Early online date) In: Journal of Clinical Pathology. 5 p.

**Management of colorectal cancer metastases to the liver, lung or peritoneum suitable for curative intent: summary of NICE guidance**

Mohamed, F., Kallioinen, M., Braun, M., Fenwick, S., Shackcloth, M., Davies, R. J., Bradbury, J., Braun, M., Burgess, G., Chew, C., Davies, R. J., Dawson, C., Fenwick, S., Hepburn, J., Hoskin, P., Lennard, D., Misra, V., Mohamed, F., Monahan, K., Roope, R. & 4 others, Salto-Tellez, M., Shackcloth, M., Singh, B. & Verma, R., Jul 2020, In: British Journal of Surgery. 107, 8, p. 943-945 3 p.

**The adaptive immune and immune checkpoint landscape of neoadjuvant treated esophageal adenocarcinoma using digital pathology quantitation**

Humphries, M., Craig, S., Kacprzyk, R., Fisher, N., Bingham, V., McQuaid, S., Murray, G. I., McManus, D., Turkington, R., James, J. & Salto-Tellez, M., 01 Jun 2020, In: BMC Cancer. 20, 1, 11 p., 500.

**Improving the Diagnostic Accuracy of the PD-L1 Test with Image Analysis and Multiplex Hybridization**

Humphries, M. P., Bingham, V., Abdullahi Sidi, F., Craig, S. G., McQuaid, S., James, J. & Salto-Tellez, M., 29 Apr 2020, In: Cancers. 12, 5, 12 p., 1114.

**A novel next generation sequencing approach to improve sarcoma diagnosis**

McConnell, L., Houghton, O., Stewart, P., Gazdova, J., Srivastava, S., Kim, C., Catherwood, M., Strobl, A., Flanagan, A. M., Oniscu, A., Kroeze, L. I., Groenen, P., Taniere, P., Salto-Tellez, M. & Gonzalez, D., 11 Feb 2020, (Early online date) In: Modern Pathology .

**Alcohol intake, tobacco smoking, and esophageal adenocarcinoma survival: a molecular pathology epidemiology cohort study**

McCain, R. S., McManus, D. T., McQuaid, S., James, J. A., Salto-Tellez, M., Reid, N. B., Craig, S., Chisambo, C., Bingham, V., McCarron, E., Parkes, E., Turkington, R. C. & Coleman, H. G., 01 Jan 2020, In: Cancer Causes and Control. 31, 1, p. 1-11

**Comparison of molecular assays for HPV testing in oropharyngeal squamous cell carcinomas: a population-based study in Northern Ireland**

Craig, S., Anderson, L., Moran, M., Graham, L., Currie, K., Rooney, K., Robinson, M., Bingham, V., Cuschieri, K., McQuaid, S., Schache, A., Jones, T., McCance, D., Salto-Tellez, M., McDade, S. & James, J., Jan 2020, In: *Cancer Epidemiology, Biomarkers, & Prevention*. 29, 1, p. 31-38

#### **Defining the molecular evolution of extrauterine high grade serous carcinoma**

Beirne, J. P., McArt, D. G., Roddy, A., McDermott, C., Ferris, J., Buckley, N. E., Coulter, P., McCabe, N., Eddie, S. L., Dunne, P. D., O'Reilly, P., Gilmore, A., Feeney, L., Ewing, D. L., Drapkin, R. I., Salto-Tellez, M., Kennedy, R. D., Harley, I. J. G., McCluggage, W. G. & Mullan, P. B., 04 Sep 2019, In: *Gynecologic Oncology*. 155, 2, p. 305-317 13 p.

#### **NUQA: Estimating cancer spatial and temporal heterogeneity and evolution through alignment-free methods**

Roddy, A., Jurek-Loughrey, A., Souza, J., Gilmore, A., O'Reilly, P., Stupnikov, A., Gonzalez de Castro, D., Prise, K., Salto-Tellez, M. & McArt, D., 19 Aug 2019, (Early online date) In: *Molecular Biology and Evolution*.

#### **A Machine Learning Platform to Optimize the Translation of Personalized Network Models to the Clinic**

Salvucci, M., Rahman, A., Resler, A. J., Udupi, G. M., McNamara, D. A., Kay, E. W., Laurent-Puig, P., Longley, D. B., Johnston, P. G., Lawler, M., Wilson, R., Salto-Tellez, M., Van Schaeuybroeck, S., Rafferty, M., Gallagher, W. M., Rehm, M. & Prehn, J. H. M., 17 Apr 2019, In: *JCO Clinical Cancer Informatics*. 17 p.

#### **The use of digital pathology and image analysis in clinical trials**

on behalf of the UK National Cancer Research Institute (NCRI) Cellular-Molecular Pathology (CM-Path) quality assurance working group, 01 Apr 2019, In: *Journal of Pathology: Clinical Research*. 5, 2, p. 81-90 10 p.

#### **Training and accreditation standards for pathologists undertaking clinical trial work**

on behalf of the National Cancer Research Institute (NCRI) Cellular-Molecular Pathology (CM-Path) clinical trials working group, 01 Apr 2019, In: *Journal of Pathology: Clinical Research*. 5, 2, p. 100-107 8 p.

#### **Recommendations for determining HPV status in patients with oropharyngeal cancers under TNM8 guidelines: a two-tier approach**

Craig, S., Anderson, L., Schache, A., Moran, M., Graham, L., Currie, K., Rooney, K., Robinson, M., Upile, N., Brooker, R., Mesri, M., Bingham, V., McQuaid, S., Jones, T., McCance, D., Salto-Tellez, M., McDade, S. & James, J., 20 Mar 2019, In: *British Journal of Cancer*. 120, p. 827

#### **Immune Activation by DNA Damage Predicts Response to Chemotherapy and Survival in Oesophageal Adenocarcinoma**

Turkington, R., Knight, L., Blayney, J., Secrier, M., Douglas, R., Parkes, E., Sutton, E., Stevenson, L., McManus, D., Halliday, S., McCavigan, A., Logan, G., Walker, S., Steele, C., Perner, J., Bornssein, J., MacRae, S., Miremadi, A., mccarron, E., McQuaid, S. & 10 others, Arthur, K., James, J., Eatock, M., O'Neill, R., Noble, F., Underwood, T., Harkin, D., Salto-Tellez, M., Fitzgerald, R. C. & Kennedy, R., 09 Mar 2019, In: *Gut*. 68, p. 1918 10 p.

#### **Practical guide for the comparison of two next-generation sequencing systems for solid tumour analysis in a universal healthcare system**

Maxwell, P., Hynes, S. O., Fuchs, M., Craig, S., McGready, C., McLean, F., McQuaid, S., James, J. & Salto-Tellez, M., 19 Feb 2019, In: *Journal of Clinical Pathology*. 72, 3, p. 225-231

#### **Critical Appraisal of Programmed Death Ligand 1 Reflex Diagnostic Testing: Current Standards and Future Opportunities**

Humphries, M. P., McQuaid, S., Craig, S. G., Bingham, V., Maxwell, P., Maurya, M., McLean, F., Sampson, J., Higgins, P., Greene, C., James, J. & Salto-Tellez, M., 01 Jan 2019, In: *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*.

#### **Automated Tumour Recognition and Digital Pathology Scoring Unravels New Role for PD-L1 in Predicting Good Outcome in ER-/HER2+ Breast Cancer**

Humphries, M., Hynes, S., Bingham, V., Cougot, D., James, J., Patel-Socha, F., Parkes, E., Blayney, J., O'Rorke, M., Irwin, G., McArt, D., Kennedy, R., Mullan, P., McQuaid, S., Salto-Tellez, M. & Buckley, N. E., 17 Dec 2018, In: *Journal of Oncology*. 2018, 14 p., 2937012.

#### **High PTGS2 expression in post neoadjuvant chemotherapy treated oesophageal adenocarcinoma is associated with improved survival: a population-based cohort study**

Spence, A., Trainor, J., McMenamin, U., Turkington, R., McQuaid, S., Bingham, V., James, J., Salto-Tellez, M., McManus, D., Johnston, B., Cardwell, C. & Coleman, H., 08 Nov 2018, (Early online date) In: *Histopathology*. p. 1-24

**Sex hormone receptor expression and survival in esophageal adenocarcinoma: a prospective cohort study**

McMenamin, U. C., Trainor, J., Coleman, H. G., McManus, D. T., McQuaid, S., Bingham, V., James, J., Salto-Tellez, M., Johnston, B. T. & Turkington, R. C., 19 Oct 2018, In: *Oncotarget*. 9, 82, p. 35300-35312 13 p.

**Artificial Intelligence - The Third Revolution in Pathology**

Salto-Tellez, M., Maxwell, P. & Hamilton, P. W., 01 Oct 2018, (Early online date) In: *Histopathology*.

**Vitamin D receptor as a marker of prognosis in oesophageal adenocarcinoma: a prospective cohort study**

McCain, S., Trainor, J., McManus, D. T., McMenamin, U. C., McQuaid, S., Bingham, V., James, J. A., Salto-Tellez, M., Turkington, R. C. & Coleman, H. G., 28 Sep 2018, In: *Oncotarget*. 9, 76, p. 34347-34356 10 p.

**Impact of Variable RNA-Sequencing Depth on Gene Expression Signatures and Target Compound Robustness: Case Study Examining Brain Tumor (Glioma) Disease Progression**

Stupnikov, A., O'Reilly, P. G., McInerney, C., Roddy, A., Dunne, P., Gilmore, A., Ellis, H. P., Flannery, T., Healy, E., McIntosh, S., Savage, K., Kurian, K. M., Emmert-Streib, F., Prise, K., Salto-Tellez, M. & McArt, D., 13 Sep 2018, In: *JCO Precision Oncology*. p. 1-16

**The evolutionary landscape of colorectal tumorigenesis**

The S:CORT Consortium, 31 Aug 2018, In: *Nature Ecology and Evolution*. 2, 10, p. 1661-1672 12 p.

**Radio-resistance of PTEN-deficient prostate tumours is enhanced by treatment-induced chemokine signalling and is associated with biochemical recurrence and development of metastasis.**

Armstrong, C., Coulter, J., Ong, C. W., Maxwell, P., Butterworth, K., Oksana, L., Berlinger, S., LaBonte Wilson, M., Walker, S., O'Sullivan, J., Salto-Tellez, M., Jain, S., Mills, I., Illidge, T., Kennedy, R., Prise, K. & Waugh, D., 01 Aug 2018.

**Glucose Transporter 1 Expression as a Marker of Prognosis in Oesophageal Adenocarcinoma**

Blayney, J. K., Cairns, L., Li, G., McCabe, N., Stevenson, L., Peters, C. J., Reid, N. B., Spence, V. J., Chisambo, C., McManus, D., James, J., McQuaid, S., Craig, S., Arthur, K., McArt, D., Ong, C-A. J., Lao-Sirieix, P., Hamilton, P., Salto-Tellez, M., Eatock, M. & 4 others, Coleman, H. G., Fitzgerald, R. C., Kennedy, R. D. & Turkington, R. C., 06 Apr 2018, (Early online date) In: *Oncotarget*.

**Validation of the systematic scoring of immunohistochemically stained tumour tissue microarrays using QuPath digital image analysis**

Loughrey, M. B., Bankhead, P., Coleman, H. G., Hagan, R. S., Craig, S., McCorry, A. M. B., Gray, R. T., McQuaid, S., Dunne, P. D., Hamilton, P. W., James, J. A. & Salto-Tellez, M., 25 Mar 2018, (Early online date) In: *Histopathology*.

**A gene signature associated with PTEN activation defines good prognosis intermediate-risk prostate cancer cases**

Ong, C. W., Maxwell, P., Alvi, M. A., McQuaid, S., Waugh, D., Mills, I. & Salto-Tellez, M., 28 Feb 2018, (Early online date) In: *The Journal of Pathology: Clinical Research*. 4, 2, p. 103

**HER2 testing of gastro-oesophageal adenocarcinoma: a commentary and guidance document from the Association of Clinical Pathologists Molecular Pathology and Diagnostics Committee**

Wong, N. A. C. S., Amarty, F., Butler, R., Byers, R., Gonzalez, D., Haynes, H. R., Ilyas, M., Salto-Tellez, M. & Taniere, P., 08 Feb 2018, (Early online date) In: *Journal of Clinical Pathology*.

**Corrigendum: Targeting c-MET in gastrointestinal tumours: rationale, opportunities and challenges**

Bradley, C. A., Salto-Tellez, M., Laurent-Puig, P., Bardelli, A., Rolfo, C., Tabernero, J., Khawaja, H. A., Lawler, M., Johnston, P. G., Van Schaeybroeck, S. & MERCuRIC consortium, 23 Jan 2018, (Early online date) In: *Nature reviews. Clinical oncology*. 15, 3, p. 150 1 p.

**Integrated tumor identification and automated scoring minimizes pathologist involvement and provides new insights to key biomarkers in breast cancer**

Bankhead, P., Fernández, J. A., McArt, D. G., Boyle, D. P., Li, G., Loughrey, M. B., Irwin, G. W., Harkin, D. P., James, J. A., McQuaid, S., Salto-Tellez, M. & Hamilton, P. W., Jan 2018, In: *Laboratory investigation*. 98, p. 15-26

**Assessment of PD-L1 Expression by Digital Pathology demonstrates prognostic significance for overall survival in Triple Negative Breast Cancer and a novel association with overall survival in ER-/HER+ breast cancer.**

Humphries, M., Craig, S., Bingham, V., McQuaid, S., James, J., Buckley, N. E. & Salto-Tellez, M., 2018, (Unpublished).

**BCL-2 system analysis identifies high-risk colorectal cancer patients**

Lindner, A. U., Salvucci, M., Morgan, C., Monsefi, N., Resler, A.J., Cremona, M., Curry, S., Toomey, S., O'Byrne, R., Bacon, O., Stuhler, M., Flanagan, L., Wilson, R., Johnston, P. G., Salto-Tellez, M., Camilleri-Broët, S., McNamara, D. A., Kay, E., Hennessy, B. T., Laurent-Puig, P. & 2 others, Van Schaeybroeck, S. & Prehn, J. H. M., 13 Nov 2017, In: *Gut*. 66, 12, p. 2141-2148

**RNAscope in situ hybridization confirms mRNA integrity in formalin-fixed, paraffin-embedded cancer tissue samples**

Bingham, V., McIlreavey, L., Greene, C., O'Doherty, E., Clarke, R., Craig, S., Salto-Tellez, M., McQuaid, S., Lewis, C. & James, J., 16 Oct 2017, (Early online date) In: *Oncotarget*. 12 p.

**Rare cancers the greatest inequality in cancer research and oncology treatment**

Alvi, M. A., Wilson, R. H. & Salto-Tellez, M., 21 Sep 2017, (Early online date) In: *British Journal of Cancer*. p. 1-3

**Diagnostic accuracy of haptoglobin within ovarian cyst fluid as a potential point-of-care test for epithelial ovarian cancer: an observational study**

Mahyuddin, A. P., Liu, L., Zhao, C., Kothandaraman, N., Salto-Tellez, M., Pang, B., Lim, D.G.S., Annalamai, L., Chan, J. K. Y., Lim, T., Biswas, A., Rice, G., Razvi, K. & Choolani, M., 04 Sep 2017, (Early online date) In: *BJOG: An International Journal of Obstetrics and Gynaecology*.

**Consistency and reproducibility of next-generation sequencing and other multigene mutational assays :A worldwide ring trial study on quantitative cytological molecular reference specimens**

Malapelle, U., Mayo-de-Las-Casas, C., Molina-Vila, M. A., Rosell, R., Savic, S., Bihl, M., Bubendorf, L., Salto-Tellez, M., de Biase, D., Tallini, G., Hwang, D. H., Sholl, L. M., Luthra, R., Weynand, B., Vander Borcht, S., Missiaglia, E., Bongiovanni, M., Stieber, D., Vielh, P., Schmitt, F. & 20 others, Rappa, A., Barberis, M., Pepe, F., Pisapia, P., Serra, N., Vigliar, E., Bellocicene, C., Fassan, M., Ruge, M., de Andrea, C. E., Lozano, M. D., Basolo, F., Fontanini, G., Nikiforov, Y. E., Kamel-Reid, S., da Cunha Santos, G., Nikiforova, M. N., Roy-Chowdhuri, S., Troncone, G. & Molecular Cytopathology Meeting Group, 14 Aug 2017, In: *Cancer*. 125, 8, p. 615-626 12 p.

**Molecular profiling of signet ring cell colorectal cancer provides a strong rationale for genomic targeted and immune checkpoint inhibitor therapies**

Alvi, M., Loughrey, M. B., Dunne, P., McQuaid, S., Turkington, R., Fuchs, M-A., McGready, C., Bingham, V., Moore, W., Lawler, M., James, J. A., Murray, G. I., Wilson, R. H., Maxwell, P. & Salto-Tellez, M., 11 Jul 2017, In: *British Journal of Cancer*. 117, 2, p. 203-209

**Natural killer-like signature observed post therapy in locally advanced rectal cancer is a determinant of pathological response and improved survival**

Alderdice, M., Dunne, P. D., Cole, A. J., O'Reilly, P. G., McArt, D. G., Bingham, V., Fuchs, M-A., McQuaid, S., Loughrey, M. B., Graeme, M. I., Samuel, L. M., Lawler, M., Wilson, R. H., Salto-Tellez, M. & Coyle, V. M., 16 Jun 2017, (Early online date) In: *Modern Pathology* . 30, p. 1287

**Statin use, Candidate Mevalonate Pathway Biomarkers, and Colon Cancer Survival in a Population-Based Cohort Study**

Gray, R. T., Loughrey, M. B., Bankhead, P., Cardwell, C. R., McQuaid, S., O'Neill, R. F., Arthur, K., Bingham, V., McGready, C., Gavin, A. T., James, J. A., Hamilton, P. W., Salto-Tellez, M., Murray, L. J. & Coleman, H. G., 06 Jun 2017, (Early online date) In: *British Journal of Cancer*. 152, 5, p. S1023-S1024

**Standardising RNA profiling based biomarker application in cancer - the need for robust control of technical variables**

Stewart, J. P., Richman, S., Maughan, T., Lawler, M., Dunne, P. D. & Salto-Tellez, M., 23 May 2017, (Early online date) In: *Biochimica et biophysica acta*.

**PD-L1 Expression and Response to Neo-Adjuvant Chemotherapy in Esophageal Adenocarcinoma**

Parkes, E., Blayney, J., mccarron, E., Douglas, R., Stevenson, L., McManus, D., McQuaid, S., Arthur, K., James, J., Salto-Tellez, M., Noble, F., Underwood, T., O'Neill, R., Fitzgerald, R. C., Kennedy, R. & Turkington, R., 01 May 2017, In:

**Evaluation of PTGS2 expression, PIK3CA mutation, aspirin use and colon cancer survival in a population-based cohort study.**

Gray, R. T., Cantwell, M. M., Coleman, H. G., Loughrey, M. B., Bankhead, P., McQuaid, S., O'Neill, R. F., Arthur, K., Bingham, V., McGready, C., Gavin, A. T., Cardwell, C. R., Johnston, B. T., James, J. A., Hamilton, P. W., Salto-Tellez, M. & Murray, L. J., 27 Apr 2017, In: Clinical and translational gastroenterology. 8, e91.

**Targeting c-MET in gastrointestinal tumours: rationale, opportunities and challenges**

MERCuRIC consortium, 04 Apr 2017, In: Nature reviews. Clinical oncology. 14, 9

**Erratum to JMJD6 is a driver of cellular proliferation and motility and a marker of poor prognosis in breast cancer**

Lee, Y. F., Miller, L. D., Chan, X. B., Black, M. A., Pang, B., Ong, C. W., Salto-Tellez, M., Liu, E. T. & Desai, K. V., 28 Mar 2017, In: Breast Cancer Research. 19, 1, 42.

**Response to Park et al. reply to "Back to the future: routine morphological assessment of the tumour microenvironment is prognostic in stage II/III colon cancer in a large population-based study"**

Hynes, S. O., Coleman, H. G., Kelly, P. J., Dunne, P. D., Salto-Tellez, M. & Loughrey, M. B., 23 Mar 2017, (Early online date) In: Histopathology.

**A Stepwise Integrated Approach to Personalized Risk Predictions in Stage III Colorectal Cancer**

Salvucci, M., Würstle, M. L., Morgan, C., Curry, S., Cremona, M., Lindner, A. U., Bacon, O., Resler, A. J., Murphy, Á. C., O'Byrne, R., Flanagan, L., Dasgupta, S., Rice, N., Pilati, C., Zink, E., Schöller, L. M., Toomey, S., Lawler, M., Johnston, P. G., Wilson, R. & 10 others, Camilleri-Broët, S., Salto-Tellez, M., McNamara, D. A., Kay, E. W., Laurent-Puig, P., Van Schaeybroeck, S., Hennessy, B. T., Longley, D. B., Rehm, M. & Prehn, J. H. M., 01 Mar 2017, In: Clinical Cancer Research. 23, 5, p. 1200-1212 13 p.

**Tissue-based next generation sequencing: application in a universal healthcare system**

Hynes, S. O., James, J. A., Maxwell, P. & Salto-Tellez, M., 28 Feb 2017, In: British Journal of Cancer. 116, 5, p. 553-560 8 p.

**RUNX3 is oncogenic in natural killer/T-cell lymphoma and is transcriptionally regulated by MYC**

Selvarajan, V., Osato, M., Nah, G. S. S., Yan, J., Chung, H. T., Voon, D. C. C., Ito, Y., Ham, M. F., Salto-Tellez, M., Shimizu, N., Choo, S. N., Fan, S. S., Chng, W. J. & Ng, S.-B., 17 Feb 2017, (Early online date) In: Leukemia. 31, 10, p. 2219-2227 9 p.

**Back to the future: routine morphological assessment of the tumour microenvironment is prognostic in stage II/III colon cancer in a large population-based study**

Hynes, S. O., Coleman, H. G., Kelly, P. J., Irwin, S., O'Neill, R. F., Gray, R. T., McGready, C., Dunne, P. D., McQuaid, S., James, J. A., Salto-Tellez, M. & Loughrey, M. B., 06 Feb 2017, (Early online date) In: Histopathology.

**Activation of STING-Dependent Innate Immune Signaling By S-Phase-Specific DNA Damage in Breast Cancer**

Parkes, E. E., Walker, S. M., Taggart, L. E., McCabe, N., Knight, L. A., Wilkinson, R., McCloskey, K., Buckley, N. E., Savage, K. I., Salto-Tellez, M., McQuaid, S., Harte, M. T., Mullan, P. B., Harkin, D. P. & Kennedy, R. D., 01 Jan 2017, In: Journal of the National Cancer Institute. 109, 1, djw199.

**Enhanced radio-sensitivity of PTEN-deficient prostate tumours mediated by inhibition of intrinsic and treatment-potentiated CXCL12-chemokine signaling**

Armstrong, C., Coulter, J., Ong, C. W., Maxwell, P., LaBonte Wilson, M., Butterworth, K., Lyubomska, O., Berlingeri, S., Gallagher, R., Walker, S., O'Sullivan, J., Mills, I., Salto-Tellez, M., Illidge, T., Bristow, R. G., Kennedy, R., Prise, K. & Waugh, D., 2017.

**Building a 'Repository of Science': the importance of integrating Biobanks within molecular pathology programmes**

Lewis, C., McQuaid, S., Hamilton, P. W., Salto-Tellez, M., McArt, D. & James, J. A., Nov 2016, In: European Journal of Cancer. 67, p. 191-199

**MErCuRIC1: A phase 1a study of MEK1/2 inhibitor PD-0325901 with cMET inhibitor crizotinib in patients with advanced solid tumours**

Wilson, R., Middleton, M., Houlden, J., Van Schaeybroeck, S., Rolfo, C., Elez, E., Taieb, J., Andre, T., Bardelli, A., Laurent-puig, P., Tabernero, J., Peeters, M., Maughan, T., Roberts, C., Love, S., Lawler, M., Salto-Tellez, M., Grayson, M., Popovici, V. & Di Nicolantonio, F., 08 Oct 2016, In: *Annals of Oncology*.

**Challenging the cancer molecular stratification dogma: Intratumoral heterogeneity undermines consensus molecular subtypes and potential diagnostic value in colorectal cancer**

Dunne, P. D., McArt, D. G., Bradley, C. A., O'Reilly, P. G., Barrett, H. L., Cummins, R., O'Grady, A., Arthur, K., Loughrey, M. B., Moore, W. L., McDade, S. S., Waugh, D. J., Hamilton, P. W., Longley, D. B., Kay, E. W., Johnston, P. G., Lawler, M., Salto-Tellez, M. & Van Schaeybroeck, S., 15 Aug 2016, In: *Clinical Cancer Research*. 22, 16, p. 4095

**Validation of immunocytochemistry as a morphomolecular technique**

Maxwell, P. & Salto-Tellez, M., Aug 2016, In: *Cancer cytopathology*. 124, 8, p. 540-5 6 p.

**Caspase modelling to predict personalised risk in stage III colorectal cancer (CRC) patients.**

Salvucci, M., Wuerstle, M., Cremona, M., Curry, S., Morgan, C., Lindner, A. U., Bacon, O., Resler, A.J., Murphy, A., Longley, D., Wilson, R., Camilleri-Broët, S., Salto-Tellez, M., McNamara, D. A., Kay, E., Hennessy, B. T., Laurent-puig, P., Van Schaeybroeck, S., Rehm, M. & Prehn, J. H. M., 30 Jun 2016, In: *Journal of Clinical Oncology*. 34, (suppl, abstr 11592)

**Stratified analysis reveals chemokine-like factor (CKLF) as a potential prognostic marker in the MSI-immune consensus molecular subtype CMS1 of colorectal cancer**

Dunne, P. D., O'Reilly, P. G., Coleman, H. G., Gray, R. T., Longley, D. B., Johnston, P. G., Salto-Tellez, M., Lawler, M. & McArt, D. G., 14 Jun 2016, In: *Oncotarget*. p. 36632-36644 13 p.

**Embracing an integromic approach to tissue biomarker research in cancer: Perspectives and lessons learned**

Li, G., Bankhead, P., Dunne, P. D., O'Reilly, P. G., James, J. A., Salto-Tellez, M., Hamilton, P. & McArt, D. G., 02 Jun 2016, (Early online date) In: *Briefings in Bioinformatics*. 13 p.

**Immune-derived PD-L1 gene expression defines a subgroup of stage II/III colorectal cancer patients with favorable prognosis that may be harmed by adjuvant chemotherapy**

Dunne, P. D., McArt, D. G., O'Reilly, P. G., Coleman, H. G., Allen, W. L., Loughrey, M., Van Schaeybroeck, S., McDade, S., Salto-Tellez, M., Longley, D. B., Lawler, M. & Johnston, P. G., 13 May 2016, (Early online date) In: *Cancer Immunology Research*. 4, 7, p. 582

**Validation of a MEK/MET-specific NGS panel for early phase trial interrogation**

Maxwell, P., del favero, J., Fuchs, M-A., Tabernero, J., Maughan, T., Middleton, M., Adams, R., Rolfo, C., Hennessy, B. T., Laurent-puig, P., Bardelli, A., Andre, T., Popovici, V., Johnston, P., Wilson, R., Lawler, M., Van Schaeybroeck, S. & Salto-Tellez, M., 01 May 2016, *Validation of a MEK/MET-specific NGS panel for early phase trial interrogation*. Proceedings: AACR Annual Meeting 2016; April 16-20 New Orleans, Vol. abstract 1396.

**Gelsolin-mediated activation of PI3K/Akt pathway is crucial for hepatocyte growth factor-induced cell scattering in gastric carcinoma**

Huang, B., Deng, S., Loo, S. Y., Datta, A., Yap, Y. L., Yan, B., Ooi, C. H., Dinh, T. D., Zhuo, J., Tochwang, L., Gopinadhan, S., Jegadeesan, T., Tan, P., Salto-Tellez, M., Yong, W. P., Soong, R., Yeoh, K. G., Goh, Y. C., Lobie, P. E., Yang, H. & 4 others, Kumar, A. P., Maciver, S. K., So, J. B. Y. & Yap, C. T., 05 Apr 2016, In: *Oncotarget*. 7, 18, p. 25391-25407 17 p.

**Quantification of HER2 heterogeneity in breast cancer-implications for identification of sub-dominant clones for personalised treatment**

Buckley, N. E., Forde, C., McArt, D. G., Boyle, D. P., Mullan, P. B., James, J. A., Maxwell, P., McQuaid, S. & Salto-Tellez, M., 21 Mar 2016, (Early online date) In: *Scientific Reports*. 6, 8 p., 23383.

**Delivering a Research-Enabled Multistakeholder Partnership for Enhanced Patient Care at a Population Level: The Northern Ireland Comprehensive Cancer Program**

Lawler, M., Gavin, A., Salto-Tellez, M., Kennedy, R. D., Van Schaeybroeck, S., Wilson, R. H., Harkin, D. P., Grayson, M., Boyd, R. E., Hamilton, P. W., McArt, D. G., James, J., Robson, T., Ladner, R. D., Prise, K. M., O'Sullivan, J. M., Harrison, T., Murray, L., Johnston, P. G. & Waugh, D. J., 01 Mar 2016, In: *Cancer*. 122, 5, p. 664-673 10 p.

**p16 as a prognostic indicator in ovarian/tubal high-grade serous carcinoma**

Beirne, J. P., McArt, D. G., James, J. A., Salto-Tellez, M., Maxwell, P. & McCluggage, W. G., Mar 2016, In: *Histopathology*. 68, 4, p. 615-618 4 p.

**PTEN deficiency promotes macrophage infiltration and hypersensitivity of prostate cancer to IAP antagonist/radiation combination therapy**

Armstrong, C. W. D., Maxwell, P. J., Ong, C. W., Redmond, K. M., McCann, C., Neisen, J., Ward, G. A., Chessari, G., Johnson, C., Crawford, N. T., LaBonte, M. J., Prise, K. M., Robson, T., Salto-Tellez, M., Longley, D. B. & Waugh, D. J. J., 20 Jan 2016, In: *Oncotarget*. 7, p. 7855

**EphA2 Expression Is a Key Driver of Migration and Invasion and a Poor Prognostic Marker in Colorectal Cancer**

Dunne, P. D., Dasgupta, S., Blayney, J. K., McArt, D. G., Redmond, K. L., Weir, J-A., Bradley, C. A., Sasazuki, T., Shirasawa, S., Wang, T., Srivastava, S., Ong, C. W., Arthur, K., Salto-Tellez, M., Wilson, R. H., Johnston, P. G. & Van Schaeybroeck, S., 01 Jan 2016, In: *Clinical Cancer Research*. 22, 1, p. 230-242 13 p.

**PTEN mRNA detection by chromogenic, RNA in situ technologies: a reliable alternative to PTEN immunohistochemistry**

Bingham, V., Ong, C. W., James, J., Maxwell, P., Waugh, D., Salto-Tellez, M. & McQuaid, S., Jan 2016, In: *Human Pathology*. 47, 1, p. 95-103 9 p.

**A systems model of BCL-2 dependent apoptosis to predict stage II CRC patients benefiting from adjuvant chemotherapy and as a prognostic tool for stage III CRC patients with increased risk of recurrence.**

Prehn, J. H. M., Lindner, A. U., Salvucci, M., Cremona, M., Monsefi, N., Curry, S., Morgan, C., Resler, A.J., Byrne, R., Bacon, O., Flanagan, L., Wilson, R., Johnston, P. G., Salto-Tellez, M., Camilleri-Broët, S., McNamara, D. A., Hennessy, B. T., Kay, E., Laurent-puig, P. & Van Schaeybroeck, S., 2016, In: *Journal of Clinical Oncology*. 34, (suppl; abstr 3584)

**samExploreR: exploring reproducibility and robustness of RNA-seq results based on SAM files**

Stupnikov, A., Tripathi, S., de Matos Simoes, R., McArt, D., Salto-Tellez, M., Glazko, G., Dehmer, M. & Emmert-Streib, F., 2016, In: *Bioinformatics*. 3 p.

**Upregulation of the MET transcript is consistently associated with invasion and tumor budding in colorectal cancer**

Bradley, C., Dunne, P., McQuaid, S., Bingham, V., Lawler, M., Salto-Tellez, M., Johnston, P. & Van Schaeybroeck, S., 2016, *Upregulation of the MET transcript is consistently associated with invasion and tumor budding in colorectal cancer*. abstract 924 ed. Proceedings: AACR Annual Meeting 2016; April 16-20 New Orleans

**Molecular classification of non-invasive breast lesions for personalised therapy and chemoprevention**

Buckley, N., Boyle, D., McArt, D., Irwin, G., Harkin, D. P., Lioe, T., McQuaid, S., James, J. A., Maxwell, P., Hamilton, P., Mullan, P. B. & Salto-Tellez, M., 09 Dec 2015, In: *Oncotarget*. 6, 41, p. 43244-54 11 p.

**Integrated molecular pathology: the Belfast model**

Salto-Tellez, M. & Kennedy, R. D., Dec 2015, In: *Drug Discovery Today*. 20, 12

**Natural Killer Cell-like signature observed in locally advanced rectal cancer after neoadjuvant chemoradiotherapy in a tumour regression grade dependent manner**

Alderdice, M., Dunne, P., McArt, D., McQuaid, S., Wilson, R., Coyle, V. & Salto-Tellez, M., 02 Nov 2015.

**HDAC1 and HDAC2 independently predict mortality in hepatocellular carcinoma by a competing risk regression model in a Southeast Asian population**

Ler, S. Y., Leung, C. H. W., Khin, L. W., Lu, G-D., Salto-Tellez, M., Hartman, M., Iau, P. T. C., Yap, C. T. & Hooi, S. C., Nov 2015, In: *Oncology Reports*. 34, 5, p. 2238-2250 13 p.



**Diagnostic Molecular Cytopathology - a further decade of progress**

Salto-Tellez, M., Oct 2015, In: Cytopathology. 26, 5, p. 269-70 2 p.

**Immunohistochemistry should undergo robust validation equivalent to that of molecular diagnostics**

Elliott, K., McQuaid, S., Salto-Tellez, M. & Maxwell, P., Oct 2015, In: Journal of Clinical Pathology. 68, 10, p. 766-770 5 p.

**Connectivity mapping using a combined gene signature from multiple colorectal cancer datasets identified candidate drugs including existing chemotherapies**

Wen, Q., O'Reilly, P., Dunne, P. D., Lawler, M., Van Schaeuybroeck, S., Salto-Tellez, M., Hamilton, P. & Zhang, S-D., 01 Sep 2015, In: BMC Systems Biology. 9, Suppl 5, 11 p., S4.

**Automated tumor analysis for molecular profiling in lung cancer**

Hamilton, P. W., Wang, Y., Boyd, C., James, J. A., Loughrey, M. B., Houghton, J. P., Boyle, D. P., Kelly, P., Maxwell, P., McCleary, D., Diamond, J., McArt, D. G., Tunstall, J., Bankhead, P. & Salto-Tellez, M., 03 Aug 2015, In: Oncotarget. 9 p.

**Digital slide viewing for primary reporting in gastrointestinal pathology: a validation study**

Loughrey, M. B., Kelly, P. J., Houghton, O. P., Coleman, H. G., Houghton, J. P., Carson, A., Salto-Tellez, M. & Hamilton, P. W., Aug 2015, In: Virchows Archiv. 467, 2, p. 137-144 8 p.

**Comprehensive molecular pathology analysis of small bowel adenocarcinoma reveals novel targets with potential for clinical utility**

Alvi, M. A., McArt, D. G., Kelly, P., Fuchs, M-A., Alderdice, M., McCabe, C. M., Bingham, V., McGready, C., Tripathi, S., Emmert-Streib, F., Loughrey, M. B., McQuaid, S., Maxwell, P., Hamilton, P. W., Turkington, R., James, J. A., Wilson, R. H. & Salto-Tellez, M., 30 Jul 2015, In: Oncotarget. 6, 25, p. 20863-74 12 p.

**Epidermal growth factor receptor immunohistochemistry: new opportunities in metastatic colorectal cancer**

Hutchinson, R. A., Adams, R. A., McArt, D. G., Salto-Tellez, M., Jasani, B. & Hamilton, P. W., 07 Jul 2015, In: JOURNAL OF TRANSLATIONAL MEDICINE. 13, p. 217

**The impact of next generation sequencing technologies on haematological research - A review**

Black, J. S., Salto-Tellez, M., Mills, K. I. & Catherwood, M. A., 06 Jun 2015, In: Pathogenesis. 2, 1-2, p. 9-16 8 p.

**PICan: An integromics framework for dynamic cancer biomarker discovery**

McArt, D. G., Blayney, J. K., Boyle, D. P., Irwin, G. W., Moran, M., Hutchinson, R. A., Bankhead, P., Kieran, D., Wang, Y., Dunne, P. D., Kennedy, R. D., Mullan, P. B., Harkin, D. P., Catherwood, M. A., James, J. A., Salto-Tellez, M. & Hamilton, P. W., 01 Jun 2015, In: Molecular oncology. 9, 6, p. 1234-1240 7 p.

**Molecular Classification of the invasive front in colorectal cancer**

McArt, D., Dunne, P., Kay, E., O'Grady, A., Barrett, H., Arthur, K., Longley, D., Hamilton, P. W., Waugh, D. J., Lawler, M., Johnston, P. G., Salto-Tellez, M. & Van Schaeuybroeck, S., 20 May 2015, In: Journal of Clinical Oncology. 33, Suppl 15, 3573.

**The prognostic value of the stem-like group in colorectal cancer using a panel of immunohistochemistry markers**

Ong, C. W., Chong, P. Y., McArt, D. G., Chan, J. Y., Tan, H. T., Kumar, A. P., Chung, M. C. M., Clément, M-V., Soong, R., Van Schaeuybroeck, S., Waugh, D. J. J., Johnston, P. G., Dunne, P. D. & Salto-Tellez, M., 20 May 2015, In: Oncotarget. 6, 14, p. 12763-73 11 p.

**An interview with Manuel Salto-Tellez on diagnostic pathology: the future is morphomolecular**

Salto-Tellez, M. & Raison, C., May 2015, In: Expert review of molecular diagnostics. 15, 5, p. 585-8 4 p.

**Expression of proteins associated with hypoxia and Wnt pathway activation is of prognostic significance in hepatocellular carcinoma**

Srivastava, S., Thakkar, B., Yeoh, K. G., Ho, K. Y., Teh, M., Soong, R. & Salto-Tellez, M., May 2015, In: Virchows Archiv. 466, 5, p. 541-548 8 p.

**RE: Test of Four Colon Cancer Risk-Scores in Formalin Fixed Paraffin Embedded Microarray Gene Expression Data**  
Graham, D. M., Turkington, R. C., Salto-Tellez, M., Coyle, V. M. & Wilson, R. H., May 2015, In: Journal of the National Cancer Institute. 107, 5

**Analysis of wntless (WLS) expression in gastric, ovarian, and breast cancers reveals a strong association with HER2 overexpression**

Stewart, J., James, J., McCluggage, G. W., McQuaid, S., Arthur, K., Boyle, D., Mullan, P., McArt, D., Yan, B., Irwin, G., Harkin, D. P., Zhengdeng, L., Ong, C. W., Yu, J., Virshup, D. M. & Salto-Tellez, M., 01 Mar 2015, In: Modern Pathology . 28, 3, p. 428-436 9 p.

**CCAAT/enhancer binding protein  $\alpha$  predicts poorer prognosis and prevents energy starvation-induced cell death in hepatocellular carcinoma**

Lu, G-D., Ang, Y. H., Zhou, J., Tamilarasi, J., Yan, B., Lim, Y. C., Srivastava, S., Salto-Tellez, M., Hui, K. M., Shen, H-M., Nguyen, L. N., Tan, B. C., Silver, D. L. & Hooi, S. C., Mar 2015, In: Hepatology. 61, 3, p. 965-78 14 p.

**The role of c-MET/HGF signaling as a critical mediator of an invasive and resistant phenotype in colorectal cancer**

Bradley, C., Dunne, P., McArt, D., Arthur, K., McQuaid, S., Salto-Tellez, M., Johnston, P. & Van Schaeuybroeck, S., 2015, *The role of c-MET/HGF signaling as a critical mediator of an invasive and resistant phenotype in colorectal cancer*. Proceedings: AACR Annual Meeting 2015; April 18-22, Philadelphia, Vol. Abstract 4018.

**FOXP3+ regulatory T-cell counts correlate with histological response in Crohn's colitis treated with infliximab**

Sloan, S., Maxwell, P., Salto-Tellez, M. & Loughrey, M. B., Dec 2014, In: Pathology international. 64, 12, p. 624-7 4 p.

**Diagnostic value of increased sensitivity by massively parallel sequencing**

Alderdice, M., Maxwell, P., Coyle, V., Wilson, R. & Salto-Tellez, M., 03 Nov 2014.

**Digital pathology and image analysis in tissue biomarker research**

Hamilton, P. W., Bankhead, P., Wang, Y., Hutchinson, R., Kieran, D., McArt, D. G., James, J. & Salto-Tellez, M., Nov 2014, In: Methods. 70, 1, p. 59-73 15 p.

**EphA2 is an essential driver of invasion downstream of the KRAS signalling cascade in colorectal cancer.**

Dunne, P., McArt, D., Blayney, J., Dasgupta, S., Salto-Tellez, M., Johnston, P. & Van Schaeuybroeck, S., Nov 2014, *EphA2 is an essential driver of invasion downstream of the KRAS signalling cascade in colorectal cancer*. National Cancer Research Institute

**Guidance for laboratories performing molecular pathology for cancer patients**

Cree, I. A., Deans, Z., Ligtenberg, M. J. L., Normanno, N., Edsjö, A., Rouleau, E., Solé, F., Thunnissen, E., Timens, W., Schuurin, E., Dequeker, E., Murray, S., Dietel, M., Groenen, P., Van Krieken, J. H., Salto-Tellez, M. & European Society of Pathology Task Force on Quality Assurance in Molecular Pathology, Nov 2014, In: Journal of Clinical Pathology. 67, 11, p. 923-31 9 p.

**The Role of the c-MET/HGF Signalling Axis as a Critical Regulator of Invasion and Migration in Colorectal Cancer**

Bradley, C., Dunne, P., Redmond, K., McArt, D., Arthur, K., McQuaid, S., Blayney, J., Salto-Tellez, M., Johnston, P. & Van Schaeuybroeck, S., Nov 2014, *The Role of the c-MET/HGF Signalling Axis as a Critical Regulator of Invasion and Migration in Colorectal Cancer*. National Cancer Research Institute

**Molecular pathology - The value of an integrative approach**

Salto-Tellez, M., James, J. A. & Hamilton, P. W., 07 Oct 2014, In: Molecular oncology. 8, 7, p. 1163-8 6 p.

**Abstract 1905: Defining a therapeutic classification of breast cancer by actionable targets**

Salto-Tellez, M., Boyle, D. P., McArt, D., Irwin, G., Wilhelm-Benartzi, C. C., Lloe, T. G., Minter, M., McQuaid, S., Mullan, P., Kennedy, R. D., Hamilton, P. & Harkin, D. P., 01 Oct 2014, In: Cancer Research. 74, 19 (Suppl), 1905.

#### **DEAD-box helicase DP103 defines metastatic potential of human breast cancers**

Shin, E. M., Hay, H. S., Lee, M. H., Goh, J. N., Tan, T. Z., Sen, Y. P., Lim, S. W., Yousef, E. M., Ong, H. T., Thike, A. A., Kong, X., Wu, Z., Mendoz, E., Sun, W., Salto-Tellez, M., Lim, C. T., Lobie, P. E., Lim, Y. P., Yap, C. T., Zeng, Q. & 14 others, Sethi, G., Lee, M. B., Tan, P., Goh, B. C., Miller, L. D., Thiery, J. P., Zhu, T., Gaboury, L., Tan, P. H., Hui, K. M., Yip, G. W.-C., Miyamoto, S., Kumar, A. P. & Tergaonkar, V., 02 Sep 2014, In: *Journal of Clinical Investigation*. 124, 9, p. 3807-24 18 p.

#### **Next-generation sequencing: a change of paradigm in molecular diagnostic validation**

Salto-Tellez, M. & Gonzalez de Castro, D., Sep 2014, In: *Journal of Pathology*. 234, 1, p. 5-10 6 p.

#### **The prognostic significance of the aberrant extremes of p53 immunophenotypes in breast cancer**

Boyle, D. P., McArt, D. G., Irwin, G., Wilhelm-Benartzi, C. S., Lioe, T. F., Sebastian, E., McQuaid, S., Hamilton, P. W., James, J. A., Mullan, P. B., Catherwood, M. A., Harkin, D. P. & Salto-Tellez, M., Sep 2014, In: *Histopathology*. 65, 3, p. 340-352 13 p.

#### **Automated tumour annotation and analysis for molecular pathology using TissueMark (R)**

Hamilton, P., Wang, Y., McCleary, D., Diamond, J., Regan, E., Montgomery, N., Tunstall, J., Boyle, D., Loughrey, M. & Salto-Tellez, M., 14 Aug 2014, In: *Virchows Archiv*. 465, 1, p. S329-S329 1 p.

#### **The training of future tissue pathologists in a changing world**

James, J. A. & Salto-Tellez, M., Jul 2014, In: *Journal of Clinical Pathology*. 67, 7, p. 549 1 p.

#### **BRCA1 Deficiency Exacerbates Estrogen-Induced DNA Damage and Genomic Instability**

Savage, K. I., Matchett, K. B., Barros, E. M., Cooper, K. M., Irwin, G. W., Gorski, J. J., Orr, K. S., Vohhodina, J., Kavanagh, J. N., Madden, A. F., Powell, A., Manti, L., McDade, S. S., Park, B. H., Prise, K. M., McIntosh, S. A., Salto-Tellez, M., Richard, D. J., Elliott, C. T., Harkin, D. P. & 1 others, McDade, S., 15 May 2014, In: *Cancer Research*. 74, 10, p. 2773-2784 12 p.

#### **Identification of a BRCA1-mRNA Splicing Complex Required for Efficient DNA Repair and Maintenance of Genomic Stability**

Savage, K. I., Gorski, J. J., Barros, E. M., Irwin, G. W., Manti, L., Powell, A. J., Pellagatti, A., Lukashchuk, N., McCance, D. J., McCluggage, W. G., Schettino, G., Salto-Tellez, M., Boultonwood, J., Richard, D. J., McDade, S. S. & Harkin, D. P., 08 May 2014, In: *Molecular Cell*. 54, 3, p. 445-459 15 p.

#### **CD44v8-10 Is a Cancer-Specific Marker for Gastric Cancer Stem Cells**

Lau, W. M., Teng, E., Chong, H. S., Lopez, K. A. P., Tay, A. Y. L., Salto-Tellez, M., Shabbir, A., So, J. B. Y. & Chan, S. L., 01 May 2014, In: *Cancer Research*. 74, 9, p. 2630-2641 12 p.

#### **Manganese Superoxide Dismutase Is a Promising Target for Enhancing Chemosensitivity of Basal-Like Breast Carcinoma**

Kumar, A. P., Loo, S. Y., Shin, S. W., Tan, T. Z., Eng, C. B., Singh, R., Putti, T. C., Ong, C. W., Salto-Tellez, M., Goh, B. C., Park, J. I., Thiery, J. P., Pervaiz, S. & Clement, M. V., 30 Apr 2014, In: *Antioxidants & Redox Signaling*. 20, 15, p. 2326-2346 21 p.

#### **Epidermal growth factor receptor (EGFR), HER2 and insulin-like growth factor-1 receptor (IGF-1R) status in ovarian adult granulosa cell tumours**

Higgins, P. A., Brady, A., Dobbs, S. P., Salto-Tellez, M., Maxwell, P. & McCluggage, W. G., Apr 2014, In: *Histopathology*. 64, 5, p. 633-638 6 p.

#### **DNA methylation subgroups and the CpG island methylator phenotype in gastric cancer: a comprehensive profiling approach**

Loh, M., Liem, N., Vaithilingam, A., Lim, P. L., Sapari, N. S., Elahi, E., Mok, Z. Y., Cheng, C. L., Yan, B., Pang, B., Salto-Tellez, M., Yong, W. P., Iacopetta, B. & Soong, R., 28 Mar 2014, In: *BMC Gastroenterology*. 14, 55, 11 p.

#### **TBX2 represses CST6 resulting in uncontrolled legumain activity to sustain breast cancer proliferation: a novel cancer-selective target pathway with therapeutic opportunities.**

D'Costa, Z. C., Higgins, C., Ong, C. W., Irwin, G. W., Boyle, D., McArt, D. G., McCloskey, K., Buckley, N. E., Crawford, N. T., Thiagarajan, L., Murray, J. T., Kennedy, R. D., Mulligan, K. A., Harkin, D. P., Waugh, D. J. J., Scott, C. J., Salto-Tellez,

M., Williams, R. & Mullan, P. B., 08 Feb 2014, In: *Oncotarget*. 5, 6, p. 1609-1620 12 p.

**Fibroblast growth factor receptor 4 (FGFR4): a targetable regulator of drug resistance in colorectal cancer**

Turkington, RC., Longley, DB., Allen, WL., Stevenson, L., McLaughlin, K., Dunne, PD., Blayney, JK., Salto-Tellez, M., Van Schaeybroeck, S. & Johnston, PG., 06 Feb 2014, In: *Cell, Death & Disease*. 5, 11 p., e1046.

**AXL Is a Key Regulator of Inherent and Chemotherapy-Induced Invasion and Predicts a Poor Clinical Outcome in Early-Stage Colon Cancer**

Dunne, P. D., McArt, D. G., Blayney, J. K., Kalimutho, M., Greer, S., Wang, T., Srivastava, S., Ong, C. W., Arthur, K., Loughrey, M., Redmond, K., Longley, D. B., Salto-Tellez, M., Johnston, P. G. & Van Schaeybroeck, S., 01 Jan 2014, In: *Clinical Cancer Research*. 20, 1, p. 164-175 12 p.

**Identification and Validation of an Anthracycline/Cyclophosphamide-Based Chemotherapy Response Assay in Breast Cancer**

Mulligan, J. M., Hill, L. A., Deharo, S., Irwin, G., Boyle, D., Keating, K. E., Raji, O. Y., McDyer, F. A., O'Brien, E., Bylesjo, M., Quinn, J. E., Lindor, N. M., Mullan, P. B., James, C. R., Walker, S. M., Kerr, P., James, J., Davison, T. S., Proutski, V., Salto-Tellez, M. & 4 others, Johnston, P. G., Couch, F. J., Harkin, P. & Kennedy, R. D., 01 Jan 2014, In: *Journal of the National Cancer Institute*. 106, 1, 10 p., djt335.

**Colon Cancer**

Van Schaeybroeck, S., Lawler, M., Johnston, B., Salto-Tellez, M., Lee, J., Loughlin, P., Wilson, R. & Johnston, P., 2014, *Abeloff's Clinical Oncology*. 5 ed. Elsevier

**EpHA2 is an essential driver of invasion and a novel target in KRAS mutant colorectal cancer**

Dunne, P., McArt, D., Blayney, J., Dasgupta, S., Salto-Tellez, M., Johnston, P. & Van Schaeybroeck, S., 2014, *EpHA2 is an essential driver of invasion and a novel target in KRAS mutant colorectal cancer*. Proceedings: AACR Annual Meeting 2014; April 5-9, San Diego, Vol. Abstract 2079.

**Integrating molecular diagnostics into histopathology training: the Belfast model**

Flynn, C., James, J., Maxwell, P., McQuaid, S., Ervine, A., Catherwood, M., Loughrey, M. B., McGibben, D., Somerville, J., McManus, D. T., Gray, M., Herron, B. & Salto-Tellez, M., 2014, In: *Journal of Clinical Pathology*. 67, 7, p. 632-6 5 p.

**RAS testing of colorectal carcinoma—a guidance document from the Association of Clinical Pathologists Molecular Pathology and Diagnostics Group**

Wong, N. ACS., Gonzalez de Castro, D., Salto-Tellez, M., Butler, R., Diaz-Cano, S. J., Ilyas, M., Newman, W., Shaw, E., Tanriere, P., Walsh, S. V. & Association of Clinical Pathologists Molecular Pathology and Diagnostics Group, 2014, In: *Journal of Clinical Pathology*. 67, 9, p. 751-757 7 p.

**Sphingosine Kinase 1 Promotes Malignant Progression in Colon Cancer and Independently Predicts Survival of Patients With Colon Cancer by Competing Risk Approach in South Asian Population**

Tan, S. S. L., Khin, L. W., Wong, L., Yan, B., Ong, C. W., Datta, A., Salto-Tellez, M., Lam, Y. & Yap, C. T., 2014, In: *Clinical and translational gastroenterology*. 5, e51, 11 p.

**The prognostic and therapeutic value of EpHA2 in early colorectal cancer (CRC).**

Dasgupta, S., Van Schaeybroeck, S., Dunne, P., McArt, D., Fenning, C., Ong, C. W., Arthur, K., Salto-Tellez, M., Wilson, R. & Johnston, P., 2014, In: *Journal of Clinical Oncology*. 32, (suppl; abstr 3581)

**Endoscopic tri-modal imaging improves detection of gastric intestinal metaplasia among a high-risk patient population in Singapore**

So, J., Rajnakova, A., Chan, Y-H., Tay, A., Shah, N., Salto-Tellez, M., Teh, M., Uedo, N. & Noriya, U., Dec 2013, In: *Digestive Diseases and Sciences*. 58, 12, p. 3566-75 10 p.

**One-step nucleic acid amplification assay also predicts axillary lymph node status in breast cancer patients: further molecular diagnostic evidence**

Wang, T., Buhari, S. A., Pang, B., Putti, T. C. & Salto-Tellez, M., Dec 2013, In: *European journal of cancer (Oxford, England : 1990)*. 49, 18, p. 3945-6 2 p.

**Prognostic and therapeutic relevance of FLIP and procaspase-8 overexpression in non-small cell lung cancer**

Riley, J. S., Hutchinson, R., McArt, D. G., Crawford, N., Holohan, C., Paul, I., Van Schaeybroeck, S., Salto-Tellez, M., Johnston, P., Fennell, D., Gately, K., O'Byrne, K., Cummins, R., Kay, E., Hamilton, P., Stasik, I. & Longley, D. B., Dec 2013, In: Cell, Death & Disease. 4, 12, p. e951 e951.

**Identification of MET genomic amplification, protein expression and alternative splice isoforms in neuroblastomas**

Yan, B., Lim, M., Zhou, L., Kuick, C. H., Leong, M. Y., Yong, K. J., Aung, L., Salto-Tellez, M. & Chang, K. T. E., 01 Nov 2013, In: Journal of Clinical Pathology. 66, p. 985-991

**A PROSPECTIVE PROTOCOL FOR SIMULTANEOUS GENOMIC TESTING IN PATIENTS WITH NON-SMALL CELL LUNG CANCER**

Lopez-Rios, F., Conde, E., Angulo, B., Martinez, R., Mcgready, C., O'Hara, G., Anderson, N., Maxwell, P. & Salto-Tellez, M., Nov 2013, In: Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer. 8, p. S1074-S1074 1 p.

**AXL is a key regulator of inherent and chemotherapy-induced invasion and predicts a poor clinical outcome in early stage colon cancer**

Dunne, P., McArt, D., Salto-Tellez, M., Longley, D., Johnston, P. & Van Schaeybroeck, S., Nov 2013, *AXL is a key regulator of inherent and chemotherapy-induced invasion and predicts a poor clinical outcome in early stage colon cancer*. National Cancer Research Institute

**cudaMap: a GPU accelerated program for gene expression connectivity mapping**

McArt, D. G., Bankhead, P., Dunne, P. D., Salto-Tellez, M., Hamilton, P. & Zhang, S-D., 11 Oct 2013, In: BMC Bioinformatics. 14, 6 p., 305.

**Potentiation of Inflammatory CXCL8 Signalling Sustains Cell Survival in PTEN-deficient Prostate Carcinoma**

Maxwell, P. J., Coulter, J., Walker, S. M., McKechnie, M., Neisen, J., McCabe, N., Kennedy, R. D., Salto-Tellez, M., Albanese, C. & Waugh, D. J. J., Aug 2013, In: European Urology. 64, 2, p. 177-188 12 p.

**Validation of Next Generation Sequencing Technologies in Comparison to Current Diagnostic Gold Standards for BRAF, EGFR and KRAS Mutational Analysis**

McCourt, C. M., McArt, D. G., Mills, K., Catherwood, M. A., Maxwell, P., Waugh, D. J., Hamilton, P., O'Sullivan, J. M. & Salto-Tellez, M., 26 Jul 2013, In: PLoS ONE. 8, 7, 10 p., e69604.

**MicroRNA-34c inversely couples the biological functions of the runt-related transcription factor RUNX2 and the tumor suppressor p53 in osteosarcoma**

van der Deen, M., Taipaleenmaki, H., Zhang, Y., Teplyuk, N. M., Gupta, A., Cinghu, S., Shogren, K., Maran, A., Yaszemski, M. J., Ling, L., Cool, S. M., Leong, D. T., Dierkes, C., Zustin, J., Salto-Tellez, M., Ito, Y., Bae, S-C., Zielenska, M., Squire, J. A., Lian, J. B. & 7 others, Stein, J. L., Zambetti, G. P., Jones, S. N., Galindo, M., Hesse, E., Stein, G. S. & van Wijnen, A. J., 19 Jul 2013, In: Journal of Biological Chemistry. 288, 29, p. 21307-21319

**Oncofetal gene SALL4 in aggressive hepatocellular carcinoma**

Yong, K. J., Gao, C., Lim, J. S. J., Yan, B., Yang, H., Dimitrov, T., Kawasaki, A., Ong, C. W., Wong, K-F., Lee, S., Ravikumar, S., Srivastava, S., Tian, X., Poon, R. T., Fan, S. T., Luk, J. M., Dan, Y. Y., Salto-Tellez, M., Chai, L. & Tenen, D. G., 13 Jun 2013, In: New England Journal of Medicine. 368, 24, p. 2266-76

**Connectivity Mapping for Candidate Therapeutics Identification Using Next Generation Sequencing RNA-Seq Data**

McArt, D. G., Dunne, P. D., Blayney, J. K., Salto-Tellez, M., Van Schaeybroeck, S., Hamilton, P. W. & Zhang, S. D., Jun 2013, In: PLoS ONE. 8, 6, p. 1-15 15 p., e66902.

**Guidelines and considerations for conducting experiments using tissue microarrays**

Ilyas, M., Grabsch, H., Ellis, I. O., Womack, C., Brown, R., Berney, D., Fennell, D., Salto-Tellez, M., Jenkins, M., Landberg, G., Byers, R., Treanor, D., Harrison, D., Green, A. R., Ball, G. & Hamilton, P., May 2013, In: Histopathology. 62, 6, p. 827-839

**Molecular mapping the presence of druggable targets in preinvasive and precursor breast lesions: A comprehensive review of biomarkers related to therapeutic interventions**

Boyle, D. P., Mullan, P. & Salto-Tellez, M., Apr 2013, In: *Biochimica et biophysica acta*. 1835, 2, p. 230-242

**Prolyl isomerase Pin1 downregulates tumor suppressor RUNX3 in breast cancer**

Nicole Tsang, Y-H., Wu, X-W., Lim, J-S., Wee Ong, C., Salto-Tellez, M., Ito, K., Ito, Y. & Chen, L-F., 21 Mar 2013, In: *Oncogene*. 32, 12, p. 1488-1496

**The complex effects of the slow-releasing hydrogen sulfide donor GYY4137 in a model of acute joint inflammation and in human cartilage cells**

Li, L., Fox, B., Keeble, J., Salto-Tellez, M., Winyard, P. G., Wood, M. E., Moore, P. K. & Whiteman, M., Mar 2013, In: *Journal of Cellular and Molecular Medicine*. 17, 3, p. 365-376

**A strong correlation between expression of Wntless and of human epidermal growth factor receptor 2 in gastric, ovarian, and breast cancers suggests a novel-signalling pathway involving NFkB and STAT3**

Stewart, J., James, J., McCluggage, G., McQuaid, S., Boyle, D., Arthur, K., Mullan, P., Kidson, C., McCabe, N., Kennedy, R., McArt, D., Carson, A., Yan, B., Zhengdeng, L., Tan, P., Virshup, D. & Salto-Tellez, M., 27 Feb 2013, In: *The Lancet*. 381, p. S106

**Reply: A morpho-molecular prognostic model for hepatocellular carcinoma**

Srivastava, S. & Salto-Tellez, M., 19 Feb 2013, In: *British Journal of Cancer*. 108, 3, p. 741

**Molecular and clinicopathological markers of prognosis in breast cancer**

Boyle, D. P., McCourt, C. M., Matchett, K. B. & Salto-Tellez, M., 09 Jan 2013, In: *Expert review of molecular diagnostics*. 13, 5, p. 481-498

**Immunohistochemistry in the era of personalised medicine**

McCourt, C. M., Boyle, D., James, J. & Salto-Tellez, M., Jan 2013, In: *Journal of Clinical Pathology*. 66, 1, p. 58-61

**Lymphocytic follicles and aggregates are a determinant of mucosal damage and duration of diarrhea**

Shah, N., Thakkar, B., Shen, E., Loh, M., Chong, P. Y., Gan, W. H., Tu, T. M., Shen, L., Soong, R. & Salto-Tellez, M., Jan 2013, In: *Archives of pathology & laboratory medicine*. 137, 1, p. 83-89

**KRAS mutation analysis in a complex molecular diagnostic referral practice: the need for test redundancy**

Pang, B., Ong, C-W., Chong, M-L., Muliana-Ismail, T., Soong, R. & Salto-Tellez, M., Dec 2012, In: *Pathology*. 44, 7, p. 655-7 3 p.

**Lgr5 expression is absent in human premalignant lesions of the stomach**

Wang, T., Yeoh, K. G. & Salto-Tellez, M., Dec 2012, In: *Gut*. 61, 12, p. 1777-8 2 p.

**Axl Expression is a Poor Prognostic Marker and Regulates Tumour Cell Invasion and Migration in Colorectal Cancer**

Dunne, P., Kalimutho, M., McArt, D., Salto-Tellez, M., Van Schaeybroeck, S. & Johnston, P., Nov 2012, *Axl Expression is a Poor Prognostic Marker and Regulates Tumour Cell Invasion and Migration in Colorectal Cancer*. National Cancer Research Institute

**Opinion: molecular gestalt and modern pathology**

Chan, J. Y. & Salto-Tellez, M., Nov 2012, In: *Advances in anatomic pathology*. 19, 6, p. 425-6 2 p.

**The receptor tyrosine kinase EpHA2 is a poor prognostic marker and a novel target in Kras mutant colorectal cancer**

Dunne, P., McArt, D., Dasgupta, S., Salto-Tellez, M., Johnston, P. & Van Schaeybroeck, S., Nov 2012, *The receptor tyrosine kinase EpHA2 is a poor prognostic marker and a novel target in Kras mutant colorectal cancer*. Proffered paper sessions: National Cancer Research Institute

**Molecular diagnostics and the training of future tissue- and cell-based pathologists**

Catherwood, M. A., Schmitt, F. & Salto-Tellez, M., Oct 2012, In: GBER, Global Built Environment Review (issn: 1474-6824). 23, 5, p. 283-5 3 p.

**RUNX3 downregulation in human lung adenocarcinoma is independent of p53, EGFR or KRAS status**

Omar, M. F. M., Ito, K., Nga, M. E., Soo, R., Peh, B. K., Ismail, T. M., Thakkar, B., Soong, R., Ito, Y. & Salto-Tellez, M., Oct 2012, In: GBER, Global Built Environment Review (issn: 1474-6824). 18, 4, p. 783-92 10 p.

**The topography of DNA methylation in the non-neoplastic colonic mucosa surrounding colorectal cancers**

Subramaniam, M. M., Loh, M., Chan, J. Y., Liem, N., Lim, P. L., Peng, Y. W., Lim, X. Y., Yeoh, K. G., Iacopetta, B., Soong, R. & Salto-Tellez, M., 21 Aug 2012, In: Molecular Carcinogenesis. 53, 2, p. 98-108 11 p.

**The positive impact of cytological specimens for EGFR mutation testing in non-small cell lung cancer: a single South East Asian laboratory's analysis of 670 cases**

Pang, B., Dettmer, M., Matthias, D., Ong, C. W., Dhewar, A. N., Gupta, S., Lim, G. L., Nga, M. E., Seet, J. E., Qasim, A., Chin, T. M., Soo, R., Soong, R. & Salto-Tellez, M., Aug 2012, In: GBER, Global Built Environment Review (issn: 1474-6824). 23, 4, p. 229-36 8 p.

**Inactivation of Rb in stromal fibroblasts promotes epithelial cell invasion**

Pickard, A., Cichon, A-C., Barry, A., Kieran, D., Patel, D., Hamilton, P., Salto-Tellez, M., James, J. & McCance, D. J., 18 Jul 2012, In: The EMBO Journal. 31, 14, p. 3092-3103 12 p.

**A morpho-molecular prognostic model for hepatocellular carcinoma**

Srivastava, S., Wong, K. F., Ong, C. W., Huak, C. Y., Yeoh, K. G., Teh, M., Luk, J. M. & Salto-Tellez, M., 10 Jul 2012, In: British Journal of Cancer. 107, 2, p. 334-9 6 p.

**Coexpressing shRNA with fluorescence tags for quantification of cell migration studies**

Koo, C. X., Fang, W., Salto-Tellez, M. & Leong, D. T., Jul 2012, In: Molecular Biology Reports. 39, 7, p. 7695-703 9 p.

**Exome sequencing of gastric adenocarcinoma identifies recurrent somatic mutations in cell adhesion and chromatin remodelling genes**

Zang, Z. J., Cutcutache, I., Poon, S. L., Zhang, S. L., McPherson, J. R., Tao, J., Rajasegaran, V., Heng, H. L., Deng, N., Gan, A., Lim, K. H., Ong, C. K., Huang, D., Chin, S. Y., Tan, I. B., Ng, C. C., Yu, W., Wu, Y., Lee, M., Wu, J. & 17 others, Poh, D., Wan, W. K., Rha, S. Y., So, J., Salto-Tellez, M., Yeoh, K. G., Wong, W. K., Zhu, Y. J., Futreal, P. A., Pang, B., Ruan, Y., Hillmer, A. M., Bertrand, D., Nagarajan, N., Rozen, S., Teh, B. T. & Tan, P., May 2012, In: Nature Genetics. 44, 5, p. 570-574 5 p.

**Stem cell markers characterise familial adenomatous polyposis**

Wang, T., Yeoh, K. G. & Salto-Tellez, M., May 2012, In: Gut. 61, 5, p. 785-6 2 p.

**Clinical and therapeutic relevance of PIM1 kinase in gastric cancer**

Yan, B., Yau, E. X., Samanta, S., Ong, C. W., Yong, K. J., Ng, L. K., Bhattacharya, B., Lim, K. H., Soong, R., Yeoh, K. G., Deng, N., Tan, P., Lam, Y., Salto-Tellez, M. & Singapore Gastric Cancer Consortium, Apr 2012, In: GBER, Global Built Environment Review (issn: 1474-6824). 15, 2, p. 188-97 10 p.

**Nuclear p53 expression is associated with allelic imbalance (TP53) in glandular dysplasia and typical cystitis glandularis: a LCM-based molecular analysis**

Srivastava, S., Yan, B., Chin, S. Y., Muliana, T., Salto-Tellez, M. & Teh, M., Mar 2012, In: Clinical genitourinary cancer. 10, 1, p. 57-9 3 p.

**Proteomic analysis of colorectal cancer metastasis: stathmin-1 revealed as a player in cancer cell migration and prognostic marker**

Tan, H. T., Wu, W., Ng, Y. Z., Zhang, X., Yan, B., Ong, C. W., Tan, S., Salto-Tellez, M., Hooi, S. C. & Chung, M. C. M., 03 Feb 2012, In: Journal of Proteome Research. 11, 2, p. 1433-45 13 p.

**RUNX3 acts as a tumor suppressor in breast cancer by targeting estrogen receptor  $\alpha$**

Huang, B., Qu, Z., Ong, C. W., Tsang, Y-H. N., Xiao, G., Shapiro, D., Salto-Tellez, M., Ito, K., Ito, Y. & Chen, L-F., 26 Jan 2012, In: *Oncogene*. 31, 4, p. 527-34 8 p.

**Gelsolin induces colorectal tumor cell invasion via modulation of the urokinase-type plasminogen activator cascade**

Zhuo, J., Tan, E. H., Yan, B., Tothhawng, L., Jayapal, M., Koh, S., Tay, H. K., Maciver, S. K., Hooi, S. C., Salto-Tellez, M., Kumar, A. P., Goh, Y. C., Lim, Y. C. & Yap, C. T., 2012, In: *PloS one*. 7, 8, p. e43594

**JMJD6 is a driver of cellular proliferation and motility and a marker of poor prognosis in breast cancer**

Lee, Y. F., Miller, L. D., Chan, X. B., Black, M. A., Pang, B., Ong, C. W., Salto-Tellez, M., Liu, E. T. & Desai, K. V., 2012, In: *Breast Cancer Research*. 14, 3, p. R85

**Development of a Portable Tissue Micro Array Instrument**

Tan, K. K., Putra, A. S., Pham, L. P., Lee, T. H., Salto-Tellez, M. & Kim, L. G., Dec 2011, In: *Journal of medical devices-Transactions of the asme*. 5, 4, 7 p., ARTN 044503.

**Dual-colour HER2/chromosome 17 chromogenic in situ hybridisation enables accurate assessment of HER2 genomic status in ovarian tumours**

Yan, B., Choo, S. N., Mulyadi, P., Srivastava, S., Ong, C. W., Yong, K. J., Putti, T., Salto-Tellez, M. & Lim, G. S. D., Dec 2011, In: *Journal of Clinical Pathology*. 64, 12, p. 1097-101 5 p.

**Clinical and testing protocols for the analysis of epidermal growth factor receptor mutations in East Asian patients with non-small cell lung cancer: a combined clinical-molecular pathological approach**

Salto-Tellez, M., Tsao, M-S., Shih, J-Y., Thongprasert, S., Lu, S., Chang, G-C., Au, J. S-K., Chou, T-Y., Lee, J-S., Shi, Y-K., Radzi, A., Kang, J-H., Kim, S-W., Tan, S-Y. & Yang, J. C-H., Oct 2011, In: *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*. 6, 10, p. 1663-9 7 p.

**Dual-colour HER2/chromosome 17 chromogenic in situ hybridisation assay enables accurate assessment of HER2 genomic status in gastric cancer and has potential utility in HER2 testing of biopsy samples**

Yan, B., Yau, E. X., Choo, S. N., Ong, C. W., Yong, K. J., Pang, B. & Salto-Tellez, M., Oct 2011, In: *Journal of Clinical Pathology*. 64, 10, p. 880-3 4 p.

**Elevated NRD1 metalloprotease expression plays a role in breast cancer growth and proliferation**

Choong, L-Y., Lim, S-K., Chen, Y., Loh, M-C-S., Toy, W., Wong, C-Y., Salto-Tellez, M., Shah, N. & Lim, Y-P., Oct 2011, In: *GENES CHROMOSOMES & CANCER*. 50, 10, p. 837-47 11 p.

**Overexpression of neurone glial-related cell adhesion molecule is an independent predictor of poor prognosis in advanced colorectal cancer**

Chan, J. Y., Ong, C. W. & Salto-Tellez, M., Oct 2011, In: *Cancer science*. 102, 10, p. 1855-61 7 p.

**Sequential expression of putative stem cell markers in gastric carcinogenesis**

Wang, T., Ong, C. W., Shi, J., Srivastava, S., Yan, B., Cheng, C. L., Yong, W. P., Chan, S. L., Yeoh, K. G., Iacopetta, B. & Salto-Tellez, M., 23 Aug 2011, In: *British Journal of Cancer*. 105, 5, p. 658-65 8 p.

**Combined genomic and phenotype screening reveals secretory factor SPINK1 as an invasion and survival factor associated with patient prognosis in breast cancer**

Soon, W. W., Miller, L. D., Black, M. A., Dalmasso, C., Chan, X. B., Pang, B., Ong, C. W., Salto-Tellez, M., Desai, K. V. & Liu, E. T., Aug 2011, In: *EMBO Molecular Medicine*. 3, 8, p. 451-64 14 p.

**Intrinsic subtypes of gastric cancer, based on gene expression pattern, predict survival and respond differently to chemotherapy**

Tan, I. B., Ivanova, T., Lim, K. H., Ong, C. W., Deng, N., Lee, J., Tan, S. H., Wu, J., Lee, M. H., Ooi, C. H., Rha, S. Y., Wong, W. K., Boussioutas, A., Yeoh, K. G., So, J., Yong, W. P., Tsuburaya, A., Grabsch, H., Toh, H. C., Rozen, S. & 7 others, Cheong, J. H., Noh, S. H., Wan, W. K., Ajani, J. A., Lee, J. S., Salto-Tellez, M. & Tan, P., Aug 2011, In: *Gastroenterology*. 2, 2, p. 476-485 10 p.



**KRAS mutation analysis as a diagnostic tool**

Yan, B., Chin, S. Y., Ismail, T. M. & Salto-Tellez, M., Aug 2011, In: International journal of colorectal disease. 26, 8, p. 1083-1084 2 p.

**RUNX3 functions as an oncogene in ovarian cancer**

Lee, C. W. L., Chuang, L. S. H., Kimura, S., Lai, S. K., Ong, C. W., Yan, B., Salto-Tellez, M., Choolani, M. & Ito, Y., Aug 2011, In: Gynecologic Oncology. 122, 2, p. 410-7 8 p.

**Gastric pseudolipomatosis: biopsy follow-up and immunohistochemical analysis of a rare condition**

Srivastava, S., Subramaniam, M. M., Guan, Y. K., Ming, T. & Salto-Tellez, M., Jun 2011, In: Histopathology. 58, 7, p. 1177-8 2 p.

**Where and by whom should gastric cancer HER2/neu status be assessed? lessons from breast cancer**

Salto-Tellez, M., Yau, E. X., Yan, B. & Fox, S. B., Jun 2011, In: Archives of pathology & laboratory medicine. 135, 6, p. 693-5 3 p.

**The Discovery of CD44R as a Marker for Gastric Cancer Stem Cells**

Teng, E., Lau, W. M., Chong, H. S., Lopez, K. A., Tay, A. Y., Salto-Tellez, M., Wang, T. T., So, B. Y. J. & Chan, S. L., May 2011, In: Gastroenterology. 140, 5, p. S830-S830 1 p.

**Low cytosine triphosphate synthase 2 expression renders resistance to 5-fluorouracil in colorectal cancer**

Tan, W. L., Bhattacharya, B., Loh, M., Balasubramanian, I., Akram, M., Dong, D. F., Wong, L. S., Thakkar, B., Salto-Tellez, M., Soo, R. A., Fichtner, I., Iacopetta, B. & Soong, R., 15 Mar 2011, In: CANCER BIOLOGY & THERAPY. 11, 6, p. 599-608 10 p.

**Activated oncogenic pathways and therapeutic targets in extranodal nasal-type NK/T cell lymphoma revealed by gene expression profiling**

Ng, S. B., Selvarajan, V., Huang, G. F., Zhou, J. B., Feldman, A. L., Law, M., Kwong, Y. L., Shimizu, N., Kagami, Y., Aozasa, K., Salto-Tellez, M. & Chng, W. J., Mar 2011, In: Journal of Pathology. 223, 4, p. 496-510 15 p.

**Desmoplastic Small Round Cell Tumor of Major Salivary Glands: Report of 1 Case and a Review of the Literature**

Pang, B., Leong, C. C., Salto-Tellez, M. & Petersson, F., Jan 2011, In: APPLIED IMMUNOHISTOCHEMISTRY & MOLECULAR MORPHOLOGY. 19, 1, p. 70-75 6 p.

**Impact of Sample Heterogeneity on Methylation Analysis**

Loh, M., Liem, N., Lim, P. L., Vaithilingam, A., Cheng, C. L., Salto-Tellez, M., Yong, W. P. & Soong, R., Dec 2010, In: Diagnostic Molecular Pathology. 19, 4, p. 243-247 5 p.

**Molecular-assisted immunohistochemical optimization**

Omar, M. F. M., Huang, N., Ou, K., Yu, K., Putti, T. C., Jikuya, H., Ichikawa, T., Nishimura, O., Tan, P. & Salto-Tellez, M., Nov 2010, In: Acta Histochemica. 112, 6, p. 519-528 10 p.

**Cancer-related ectopic expression of the bone-related transcription factor RUNX2 in non-osseous metastatic tumor cells is linked to cell proliferation and motility**

Leong, D. T., Lim, J., Goh, X., Pratap, J., Pereira, B. P., Kwok, H. S., Nathan, S. S., Dobson, J. R., Lian, J. B., Ito, Y., Voorhoeve, P. M., Stein, G. S., Salto-Tellez, M., Cool, S. M. & Van Wijnen, A. J., 28 Oct 2010, In: Breast Cancer Research. 12, 5, R89.

**Aurora-A expression, hormone receptor status and clinical outcome in hormone related cancers**

Das, K., Lorena, P. D. N., Ng, L. K., Shen, L., Lim, D., Siow, W. Y., Narasimhan, K., Teh, M., Choolani, M., Putti, T. C. & Salto-Tellez, M., Oct 2010, In: Pathology. 42, 6, p. 540-546 7 p.

**Lack of RUNX3 inactivation in columnar cell lesions of breast**

Subramaniam, M. M., Chan, J. Y., Omar, M. F. M., Ito, K., Ito, Y., Yeoh, K. G., Salto-Tellez, M. & Putti, T. C., Oct 2010, In: Histopathology. 57, 4, p. 555-563 9 p.

**A study of HER2 gene amplification and protein expression in gastric cancer**

Yan, B., Yau, E. X., Omar, S. S. B., Ong, C. W., Pang, B., Yeoh, K. G. & Salto-Tellez, M., Sep 2010, In: Journal of Clinical Pathology. 63, 9, p. 839-842 4 p.

**Differential expression of steroid 5 alpha-reductase isozymes and association with disease severity and angiogenic genes predict their biological role in prostate cancer**

Das, K., Lorena, P. D. N., Ng, L. K., Lim, D., Shen, L. A., Siow, W. Y., Teh, M., Reichardt, J. K. V. & Salto-Tellez, M., Sep 2010, In: Endocrine-Related Cancer. 17, 3, p. 757-770 14 p.

**Exosome secreted by MSC reduces myocardial ischemia/reperfusion injury (vol 4, pg 214, 2010)**

Lai, R. C., Arslan, F., Lee, M. M., Sze, S. K., Choo, A., Chen, T. S., Salto-Tellez, M., Timmers, L., Lee, C. N., El Oakley, R. M., Pasterkamp, G., de Kleijn, D. P. V. & Lim, S. K., Sep 2010, In: Stem Cell Research & Therapy. 5, 2, p. 170-171 2 p.

**Gelsolin modulates the expression of invasion-associated genes in colorectal cancer**

Yap, C., Zhuo, J. L., Tan, E. H., Yan, B., Tay, H. K., Salto-Tellez, M., Melendez, A. J. & Maciver, S. K., Jun 2010, In: EJC SUPPLEMENTS. 8, p. 110-110 1 p.

**MicroRNA-130b regulates the tumour suppressor RUNX3 in gastric cancer**

Lai, K. W., Koh, K. X., Loh, M., Tada, K., Subramaniam, M. M., Lim, X. Y., Vaithilingam, A., Salto-Tellez, M., Iacopetta, B., Ito, Y. & Soong, R., May 2010, In: European Journal of Cancer. 46, 8, p. 1456-1463 8 p.

**CD133 expression predicts for non-response to chemotherapy in colorectal cancer**

Ong, C. W., Kim, L. G., Kong, H. H., Low, L. Y., Iacopetta, B., Soong, R. & Salto-Tellez, M., Mar 2010, In: Modern pathology. 23, 3, p. 450-457 8 p.

**Computer-assisted pathological immunohistochemistry scoring is more time-effective than conventional scoring, but provides no analytical advantage**

Ong, C. W., Kim, L. G., Kong, H. H., Low, L. Y., Wang, T. T., Supriya, S., Kathiresan, M., Soong, R. & Salto-Tellez, M., Mar 2010, In: Histopathology. 56, 4, p. 523-529 7 p.

**PIM-1 kinase expression in adipocytic neoplasms: diagnostic and biological implications**

Nga, M. E., Swe, N. N. M., Chen, K. T., Shen, L., Lilly, M. B., Chan, S. P., Salto-Tellez, M. & Das, K., Feb 2010, In: International Journal of Experimental Pathology. 91, 1, p. 34-43 10 p.

**Claudin-1 Has Tumor Suppressive Activity and Is a Direct Target of RUNX3 in Gastric Epithelial Cells**

Chang, T. L., Ito, K., Ko, T. K., Liu, Q., Salto-Tellez, M., Yeoh, K. G., Fukamachi, H. & Ito, Y., Jan 2010, In: Gastroenterology. 138, 1, p. 255-265 11 p.

**Cofilin immunolabelling correlates with depth of invasion in gastrointestinal endocrine cell tumors**

Yan, B., Yap, C. T., Wang, S., Lee, C. K., Koh, S., Omar, M. F., Salto-Tellez, M. & Kumarasinghe, M. P., Jan 2010, In: Acta Histochemica. 112, 1, p. 101-106 6 p.

**Molecular Pathology in Contemporary Diagnostic Pathology Laboratory An Opinion for the Active Role of Surgical Pathologists**

Lauwers, G. Y., Black-Schaffer, S. & Salto-Tellez, M., Jan 2010, In: American Journal of Surgical Pathology. 34, 1, p. 115-117 3 p.

**C/EBP alpha Is Up-regulated in a Subset of Hepatocellular Carcinomas and Plays a Role in Cell Growth and Proliferation**

Lu, G. D., Leung, C. H. W., Yan, B., Tan, C. M. Y., Low, S. Y., Aung, M. O., Salto-Tellez, M., Lim, S. G. & Hooi, S. C., 2010, In: Gastroenterology. 139, 2, p. 632-643 12 p.

**DIAGNOSTIC MOLECULAR CYTOPATHOLOGY**

Salto-Tellez, M. & Pang, B., 2010, In: Acta cytologica. 54, p. 373-373 1 p.

## **MOLECULAR CYTOPATHOLOGY AND PERSONALIZED MEDICINE**

Salto-Tellez, M., 2010, In: *Acta cytologica*. 54, p. 385-385 1 p.

### **The major cause of gastric cardia inflammation in a Singapore-Chinese cohort is *H. pylori* infection and not GERD**

Yeoh, K. G., Salto-Tellez, M., Teh, M., Zhu, F., Khor, C. J. L., Low, H. C., Lee, J., Ling, K. L., Ang, T. L., Chia, C. K., Ooi, C. J., Fock, K. M., So, J. B. Y. & Ho, K. Y., 2010, In: *Journal of Gastroenterology and Hepatology*. 25, p. A161-A161 1 p.

### **Molecular pathology of RUNX3 in human carcinogenesis**

Subramaniam, M. M., Chan, J. Y., Yeoh, K. G., Quek, T., Ito, K. & Salto-Tellez, M., Dec 2009, In: *BIOCHIMICA ET BIOPHYSICA ACTA-REVIEWS ON CANCER*. 1796, 2, p. 315-331 17 p.

### **Runx2, p53, and pRB Status as Diagnostic Parameters for Deregulation of Osteoblast Growth and Differentiation in a New Pre-Chemotherapeutic Osteosarcoma Cell Line (OS1)**

Pereira, B. P., Zhou, Y. F., Gupta, A., Leong, D. T., Aung, K. Z., Ling, L., Pho, R. W. H., Galindo, M., Salto-Tellez, M., Stein, G. S., Cool, S. M., Van Wijnen, A. J. & Nathan, S. S., Dec 2009, In: *Journal of Cellular Physiology*. 221, 3, p. 778-788 11 p.

### **Repression of NHE1 Expression by PPAR gamma Activation Is a Potential New Approach for Specific Inhibition of the Growth of Tumor Cells In vitro and In vivo**

Kumar, A. P., Quake, A. L., Chang, M. K. X., Zhou, T., Lim, K. S. Y., Singh, R., Hewitt, R. E., Salto-Tellez, M., Pervaiz, S. & Clement, M. V., 15 Nov 2009, In: *Cancer Research*. 69, 22, p. 8636-8644 9 p.

### **A Multicenter Blinded Study to Evaluate KRAS Mutation Testing Methodologies in the Clinical Setting**

Whitehall, V., Tran, K., Umopathy, A., Grieu, F., Hewitt, C., Evans, T. J., Ismail, T., Li, W. Q., Collins, P., Ravetto, P., Leggett, B., Salto-Tellez, M., Soong, R., Fox, S., Scott, R. J., Dobrovic, A. & Iacopetta, B., Nov 2009, In: *Journal of Molecular Diagnostics*. 11, 6, p. 543-552 10 p.

### **Elucidating the molecular physiopathology of acute respiratory distress syndrome in severe acute respiratory syndrome patients**

Kong, S. L., Chui, P., Lim, B. & Salto-Tellez, M., Nov 2009, In: *Virus Research*. 145, 2, p. 260-269 10 p.

### **Overexpression of endoplasmic reticulum protein 29 regulates mesenchymal-epithelial transition and suppresses xenograft tumor growth of invasive breast cancer cells**

Bambang, I. F., Xu, S. C., Zhou, J. B., Salto-Tellez, M., Sethi, S. K. & Zhang, D. H., Nov 2009, In: *Laboratory investigation*. 89, 11, p. 1229-1242 14 p.

### **Pharmacodynamic Effects of Seliciclib, an Orally Administered Cell Cycle Modulator, in Undifferentiated Nasopharyngeal Cancer**

Hsieh, W. S., Soo, R., Peh, B. K., Loh, T., Dong, D. F., Soh, D., Wong, L. S., Green, S., Chiao, J., Cui, C. Y., Lai, Y. F., Lee, S. C., Mow, B., Soong, R., Salto-Tellez, M. & Goh, B. C., Nov 2009, p. 1435-1442. 8 p.

### **Recurrent lower gastrointestinal bleeding secondary to cytomegalovirus-associated colonic ulcer in a non human immunodeficiency virus infected patient: Timely diagnosis and treatment averted surgery**

Lim, L. G., Rajnakova, A., Yan, B., Salto-Tellez, M. & Lim, L. L., Nov 2009, In: *Colorectal Disease*. 11, 9, p. 984-985 2 p.

### **Genetic factors associated with intestinal metaplasia in a high risk Singapore-Chinese population: a cohort study**

Zhu, F., Loh, M., Hill, J., Lee, S., Koh, K. X., Lai, K. W., Salto-Tellez, M., Iacopetta, B., Yeoh, K. G. & Soong, R., 13 Oct 2009, In: *BMC Gastroenterology*. 9, p. 76- 1471.

### **Comparative validation of c-kit exon 11 mutation analysis on cytology samples and corresponding surgical resections of gastrointestinal stromal tumours**

Pang, N. K. B., Chin, S. Y., Nga, M. E., Chang, A. R., Ismail, T. M., Omar, S. S., Charlton, A. & Salto-Tellez, M., Oct 2009, In: *Cytopathology*. 20, 5, p. 297-303 7 p.

**Positive association between nuclear Runx2 and oestrogen-progesterone receptor gene expression characterises a biological subtype of breast cancer**

Das, K., Leong, D. T., Gupta, A., Shen, L., Putti, T., Stein, G. S., Van Wijnen, A. J. & Salto-Tellez, M., Sep 2009, In: European Journal of Cancer. 45, 13, p. 2239-2248 10 p.

**GY4137, a novel hydrogen sulfide-releasing molecule, protects against endotoxic shock in the rat**

Li, L., Salto-Tellez, M., Tan, C. H., Whiteman, M. & Moore, P. K., 01 Jul 2009, In: Free Radical Biology and Medicine. 47, 1, p. 103-113 11 p.

**Detection of Pre-Neoplastic Gastric Lesions in a High Risk Chinese Cohort Using Endoscopic Autofluorescence Imaging Followed By Narrow Band Imaging Versus Standard White Light Endoscopy - Prospective Randomized Double Blind Crossover Study**

Rajnakova, A., Salto-Tellez, M., Teh, M., Chan, H. Y. & So, J. B., May 2009, In: Gastrointestinal Endoscopy. 69, p. AB107-AB107 1 p.

**The expression of RUNX3 in colorectal cancer is associated with disease stage and patient outcome**

Soong, R., Shah, N., Peh, B. K., Chong, P. Y., Ng, S. S., Zeps, N., Joseph, D., Salto-Tellez, M., Iacopetta, B. & Ito, Y., 10 Mar 2009, In: British Journal of Cancer. 100, 5, p. 676-679 4 p.

**RUNX3 Attenuates beta-Catenin/T Cell Factors in Intestinal Tumorigenesis (vol 14, pg 226, 2008)**

Ito, K., Lim, A. C. B., Salto-Tellez, M., Motoda, L., Osato, M., Chuang, L. S. H., Lee, C. W. L., Voon, D. C. C., Koo, J. K. W., Wang, H., Fukamachi, H. & Ito, Y., 03 Mar 2009, In: Cancer Cell. 15, 3, p. 240-240 1 p.

**RUNX3 Inactivation in Colorectal Polyps Arising Through Different Pathways of Colonic Carcinogenesis**

Subramaniam, M. M., Chan, J. Y., Soong, R., Ito, K., Yeoh, K. G., Wong, R. B., Guenther, T., Will, O., Chen, C. L., Kumarasinghe, M. P., Ito, Y. & Salto-Tellez, M., Feb 2009, In: American Journal of Gastroenterology. 104, 2, p. 426-436 11 p.

**TRIP-Br2 promotes oncogenesis in nude mice and is frequently overexpressed in multiple human tumors**

Cheong, J. K., Gunaratnam, L., Zang, Z. J., Yang, C. M., Sun, X. M., Nasr, S. L., Sim, K. G., Peh, B. K., Rashid, S. B. A., Bonventre, J. V., Salto-Tellez, M. & Hsu, S. I., 20 Jan 2009, In: JOURNAL OF TRANSLATIONAL MEDICINE. 7, 8.

**Elevated expression of Runx2 as a key parameter in the etiology of osteosarcoma**

Nathan, S. S., Pereira, B. P., Zhou, Y. F., Gupta, A., Dombrowski, C., Soong, R., Pho, R. W. H., Stein, G. S., Salto-Tellez, M., Cool, S. M. & Van Wijnen, A. J., Jan 2009, In: Molecular Biology Reports. 36, 1, p. 153-158 6 p.

**Identification of PP2A as a novel interactor and regulator of TRIP-Br1**

Zang, Z. J., Gunaratnam, L., Cheong, J. K., Lai, L. Y., Hsiao, L. L., O'Leary, E., Sun, X. M., Salto-Tellez, M., Bonventre, J. V. & Hsu, S. I. H., Jan 2009, In: Cellular Signalling. 21, 1, p. 34-42 9 p.

**RUNX3 inactivation by frequent promoter hypermethylation and protein mislocalization constitute an early event in breast cancer progression**

Subramaniam, M. M., Chan, J. Y., Soong, R., Ito, K., Ito, Y., Yeoh, K. G., Salto-Tellez, M. & Putti, T. C., Jan 2009, In: Breast Cancer Research and Treatment. 113, 1, p. 113-121 9 p.

**Targeted therapeutics-oriented tumor classification: a paradigm shift**

Quek, T. P. L., Yan, B., Yong, W. P. & Salto-Tellez, M., 2009, In: PERSONALIZED MEDICINE. 6, 5, p. 465-468 4 p.

**Thrombomodulin expression in gastrointestinal stromal tumours (GISTs): a novel finding with diagnostic implications**

Thamboo, T. P., Nga, M. E., Lim, D. G. S., Soong, R. & Salto-Tellez, M., 2009, In: Pathology. 41, 5, p. 488-490 3 p.

**Characterization of Numb expression in astrocytomas**

Yan, B., Omar, F. M., Das, K., Ng, W. H., Lim, C., Shiu, K., Yap, C. T. & Salto-Tellez, M., Oct 2008, In: Neuropathology. 28, 5, p. 479-484 6 p.

**Potential roles for the PIM1 kinase in human cancer - A molecular and therapeutic appraisal**

Shah, N., Pang, B., Yeoh, K. G., Thorn, S., Chen, C. S., Lilly, M. B. & Salto-Tellez, M., Oct 2008, In: *European Journal of Cancer*. 44, 15, p. 2144-2151 8 p.

**Thrombomodulin expression in gastrointestinal stromal tumors (GISTs): a novel finding with diagnostic implications**

Thamboo, T. P., Nga, M., Soong, R., Lim, G. S. D. & Salto-Tellez, M., Oct 2008, In: *Histopathology*. 53, p. 165-165 1 p.

**RUNX3 attenuates beta-catenin/T cell factors in intestinal tumorigenesis**

Ito, K., Lim, A. C. B., Salto-Tellez, M., Motoda, L., Osato, M., Shyue, L., Chuang, H., Lee, C. W. L., Voon, D. C. C., Koo, J. K. W., Wang, H. J., Fukamachi, H. & Ito, Y., 09 Sep 2008, In: *Cancer Cell*. 14, 3, p. 226-237 12 p.

**Denaturing high performance liquid chromatography for the detection of microsatellite instability using Bethesda and pentaplex marker panels**

Soong, R., Amar, D., Liu, Y. Q., Eu, K. W., Han, H. C., Salto-Tellez, M. & Iacopetta, B., Sep 2008, In: *Diagnostic Molecular Pathology*. 17, 3, p. 127-133 7 p.

**TRARESA: a tissue microarray-based hospital system for biomarker validation and discovery**

Das, K., Omar, M. F. M., Ong, C. W., Rashid, S. B. A., Peh, B. K., Putti, T. C., Tan, P. H., Chia, K. S., Teh, M., Shah, N., Soong, R. & Salto-Tellez, M., Aug 2008, In: *Pathology*. 40, 5, p. 441-449 9 p.

**Bevacizumab and rapamycin induce growth suppression in mouse models of hepatocellular carcinoma**

Huynh, H., Chow, P. K. H., Palanisamy, N., Salto-Tellez, M., Goh, B. C., Lee, C. K., Somani, A., Lee, H. S., Kalpana, R., Yu, K., Tan, P. H., Wu, J., Soong, R., Lee, M. H., Hor, H., Soo, K. C., Toh, H. C. & Tan, P., Jul 2008, In: *Journal of Hepatology*. 49, 1, p. 52-60 9 p.

**Investigating the roles of gelsolin in the malignant progression of colorectal tumor cells**

Tan, E. H., Yan, B., Hooi, S. C., Salto-Tellez, M. & Yap, C., Jul 2008, In: *EJC SUPPLEMENTS*. 6, p. 80-80 1 p.

**A Randomized crossover study comparing video endoscopic autofluorescence imaging followed by narrow band imaging with standard endoscopy for the detection of high risk lesions in stomach**

So, J. B., Rajnakova, A., Salto-Tellez, M., Shah, N., Chan, H. Y., Teh, M., Yeoh, K. G. & Uedo, N., May 2008, In: *Gastrointestinal Endoscopy*. 67, p. AB126-AB126 1 p.

**Prognostic significance of thymidylate synthase, dihydropyrimidine dehydrogenase and thymidine phosphorylase protein expression in colorectal cancer patients treated with or without 5-fluorouracil-based chemotherapy**

Soong, R., Shah, N., Salto-Tellez, M., Tai, B. C., Soo, R. A., Han, H. C., Ng, S. S., Tan, W. L., Zeps, N., Joseph, D., Diasio, R. B. & Iacopetta, B., May 2008, In: *Annals of Oncology*. 19, 5, p. 915-919 5 p.

**Novel breast cancer biomarkers identified by integrative proteomic and gene expression mapping**

Ou, K., Yu, K., Kesuma, D., Hooi, M., Huang, N., Chen, W., Lee, S. Y., Goh, X. P., Tan, L. K., Liu, J., Soon, S. Y., Rashid, S. B. A., Putti, T. C., Jikuya, H., Ichikawa, T., Nishimura, O., Salto-Tellez, M. & Tan, P., Apr 2008, In: *Journal of Proteome Research*. 7, 4, p. 1518-1528 11 p.

**Detection of BRAF V600E mutation by pyrosequencing**

Tan, Y. H., Liu, Y. Q., Eu, K. W., Ang, P. W., Li, W. Q., Salto-Tellez, M., Iacopetta, B. & Soong, R., Mar 2008, In: *Pathology*. 40, 3, p. 295-298 4 p.

**Inactivation of RUNX3 by frequent promoter hypermethylation and protein mislocalization constitute an early event in breast cancer progression**

Putti, T. C., Chan, J. Y., Soong, R., Salto-Tellez, M., Ito, K., Ito, Y. & Subramaniam, M. M., Mar 2008, In: *Modern pathology*. 21, p. 50A-50A

**The tumor suppressor gene DLEC1 is frequently silenced by DNA methylation in hepatocellular carcinoma and induces G1 arrest in cell cycle**

Qiu, G. H., Salto-Tellez, M., Ross, J. A., Yeo, W., Cui, Y., Wheelhouse, N., Chen, G. G., Harrison, D., Lai, P., Tao, Q. & Hooi, S. C., Mar 2008, In: *Journal of Hepatology*. 48, 3, p. 433-441 9 p.

**Contractile and vasorelaxant effects of hydrogen sulfide and its biosynthesis in the human internal mammary artery**

Webb, G. D., Lim, L. H., Oh, V. M. S., Yeo, S. B., Cheong, Y. P., Ali, M. Y., El Oakley, R., Lee, C. N., Wong, P. S., Caleb, M. G., Salto-Tellez, M., Bhatia, M., Chan, E. S. Y., Taylor, E. A. & Moore, P. K., Feb 2008, In: *Journal of Pharmacology and Experimental Therapeutics*. 324, 2, p. 876-882 7 p.

**Epithelioid, cytokeratin expressing malignant solitary fibrous tumour of the pleura**

Yan, B., Raju, G. C. & Salto-Tellez, M., Jan 2008, In: *Pathology*. 40, 1, p. 98-99 2 p.

**Lymphocytic follicles and aggregates in colonic biopsies with non-specific changes are related to duration of diarrhea**

Shah, N., Shen, E. F., Gan, W. H., Tu, T. M., Yeoh, K. G., Liang, S. & Salto-Tellez, M., 2008, In: *Gastroenterology*. 134, p. A137-A137 1 p.

**The prevalence of cardia inflammation and pre-cancerous lesions in a high risk Chinese cohort being screened for gastric cancer**

Yeoh, K. G., Shah, N., Salto-Tellez, M., Teh, M., So, J. B., Ho, K. Y., Khor, C. J., Low, H. C., Rajnakova, A., Chia, C. K., Lim, W. C., Ang, T. L., Fock, K. M., Ling, K. L., Ooi, C. J., Zhu, F., Ho, B. & Ito, Y., 2008, In: *Gastroenterology*. 134, p. A610-A610 1 p.

**Clonal characterization of sporadic cribriform-morular variant of papillary thyroid carcinoma by laser microdissection based APC mutation analysis**

Subramaniam, M. M., Putti, T. C., Anuar, D., Chong, P. Y., Shah, N., Salto-Tellez, M. & Soong, R., Dec 2007, In: *American Journal of Clinical Pathology*. 128, 6, p. 994-1001 8 p.

**Progressive loss of epidermal growth factor receptor in a subpopulation of breast cancers: implications in target-directed therapeutics**

Choong, L. Y., Lim, S. M., Loh, M. C. S., Man, X. H., Chen, Y. H., Toy, W. Y., Pan, M. F., Chen, C. S., Poonepalli, A., Hande, M. P., Tan, P. H., Salto-Tellez, M., Wong, C. Y., Shah, N., Druker, B. J. & Lim, Y. P., 01 Nov 2007, In: *Molecular Cancer Therapeutics*. 6, 11, p. 2828-2842 15 p.

**How do we encourage clinician scientists in Singapore?**

Salto-Tellez, M., Oh, V. M. S. & Lee, E. H., Nov 2007, In: *ANNALS ACADEMY OF MEDICINE SINGAPORE*. 36, 11, p. 879-880 2 p.

**A case for integrated morphomolecular diagnostic pathologists**

Salto-Tellez, M., Jul 2007, In: *Clinical Chemistry*. 53, 7, p. 1188-1190 3 p.

**Transplantation of encapsulated embryonic progenitor-derived insulin-producing cells reverses hyperglycemia in immune-competent diabetic animals**

Shao, S. Y., Xie, F., Luo, R. H., Salto-Tellez, M., Lim, S. K. & Li, G. D., Jun 2007, In: *Diabetes*. 56, p. A520-A520 1 p.

**Differential expression of hDAB2IPA and hDAB2IPB in normal tissues and promoter methylation of hDAB2IPA in hepatocellular carcinoma**

Qiu, G. H., Xie, H. M., Wheelhouse, N., Harrison, D., Chen, G. G., Salto-Tellez, M., Lai, P., Ross, J. A. & Hooi, S. C., Apr 2007, In: *Journal of Hepatology*. 46, 4, p. 655-663 9 p.

**Tissue microarrays characterise the clinical significance of a VEGF-A protein expression signature in gastrointestinal stromal tumours**

Salto-Tellez, M., Nga, M. E., Han, H. C., Wong, A. S. C., Lee, C. K., Anuar, D., Ng, S. S., Ho, M., Wee, A., Chan, Y. H. & Soong, R., 12 Mar 2007, In: *British Journal of Cancer*. 96, 5, p. 776-782 7 p.

**Targets of genome copy number reduction in primary breast cancers identified by integrative genomics**

Chen, W., Salto-Tellez, M., Palanisamy, N., Ganesan, K., Hou, Q. S., Tan, L. K., Sii, L. H., Ito, K., Tan, B., Wu, J., Tay, A., Tan, K. C., Ang, E., Tan, B. K., Tan, P. H., Ito, Y. & Tan, P., Mar 2007, In: *GENES CHROMOSOMES & CANCER*. 46, 3, p. 288-301 14 p.

**Derivation of clinically compliant MSCs from CD105+, CD24-differentiated human ESCs**

Lian, Q. Z., Lye, E., Yeo, K. S., Tan, E. K. W., Salto-Tellez, M., Liu, T. M., Palanisamy, N., El Oakley, R. M., Lee, E. H., Lim, B. & Lim, S. K., Feb 2007, In: *Stem Cells*. 25, 2, p. 425-436 12 p.

**Detection of epidermal growth factor receptor variations by partially denaturing HPLC**

Chin, T. M., Anuar, D., Soo, R., Salto-Tellez, M., Li, W. Q., Ahmad, B., Lee, S. C., Goh, B. C., Kawakami, K., Segal, A., Iacopetta, B. & Soong, R., Jan 2007, In: *Clinical Chemistry*. 53, 1, p. 62-70 9 p.

**p53 protein expression in basal cell carcinoma - A comparative analysis between Asian and Caucasian patients using tissue microarrays**

Tan, S., Mensing, C., Sander, C., Peh, B., Salto-Tellez, M. & Chan, Y., 2007, In: *JOURNAL OF CUTANEOUS PATHOLOGY*. 34, p. 84-85 2 p.

**Validating the use of tissue microarrays in protein detection in basal cell carcinoma**

Tan, S., Mensing, C., Sander, C., Salto-Tellez, M., Chan, Y. & Peh, B., 2007, In: *JOURNAL OF CUTANEOUS PATHOLOGY*. 34, p. 106-107 2 p.

**Establishing Clonal Cell Lines with Endothelial-Like Potential from CD9(hi), SSEA-1(-) Cells in Embryonic Stem Cell-Derived Embryoid Bodies**

Lian, Q. Z., Yeo, K. S., Que, J. W., Tan, E. K. W., Yu, F. G., Yin, Y. J., Salto-Tellez, M., El Oakley, R. M. & Lim, S. K., 20 Dec 2006, In: *PLoS ONE*. 1, 1, e6.

**RUNX3 protein is overexpressed in human basal cell carcinomas**

Salto-Tellez, M., Peh, B. K., Ito, K., Tan, S. H., Chong, P. Y., Han, H. C., Tada, K., Ong, W. Y., Soong, R., Voon, D. C. & Ito, Y., 07 Dec 2006, In: *Oncogene*. 25, 58, p. 7646-7649 4 p.

**Metastasis-associated protein S100A4 - A potential prognostic marker for colorectal cancer**

Hemandas, A. K., Salto-Tellez, M., Maricar, S. H., Leong, A. F. P. K. & Leow, C. K., Nov 2006, p. 498-503. 6 p.

**RhoA protein expression correlates positively with degree of malignancy in astrocytomas**

Yan, B., Chour, H. H., Peh, B. K., Lim, C. & Salto-Tellez, M., 23 Oct 2006, In: *Neuroscience Letters*. 407, 2, p. 124-126 3 p.

**Mutations in sodium-borate cotransporter SLC4A11 cause recessive congenital hereditary endothelial dystrophy (CHED2)**

Vithana, E. N., Morgan, P., Sundaresan, P., D. Ebenezer, N., Tan, D. T. H., Mohamed, M. D., Anand, S., Khine, K. O., Venkataraman, D., Yong, V. H. K., Salto-Tellez, M., Venkataraman, A., Guo, K., Hemadevi, B., Srinivasan, M., Prajna, V., Khine, M., Casey, J. R., Inglehearn, C. F. & Aung, T., Jul 2006, In: *Nature Genetics*. 38, 7, p. 755-757 3 p.

**Insulin-producing cells derived from embryonic progenitor cells reverse hyperglycemia in streptozotocin-induced diabetic animals**

Li, G. D., Luo, R. H., Zhang, J. P., Kon, O. L., Salto-Tellez, M., Xie, F. & Lim, S. K., Jun 2006, In: *Diabetes*. 55, p. A22-A22 1 p.

**Prognostic and predictive significance of 5-fluorouracil metabolic enzymes in colorectal cancer.**

Soong, R. C., Shah, N., Salto-Tellez, M., Han, H. C., Ng, S. S., Zeps, N., Joseph, D., Diasio, R. B. & Iacopetta, B. J., Jun 2006, In: *Journal of Clinical Oncology*. 24, p. 84S-84S

**Mutational hotspot in Exon 20 of PIK3CA in breast cancer among Singapore Chinese**

Liang, X. H., Lau, Q. C., Salto-Tellez, M., Loh, M. & Sukumar, S., May 2006, In: *CANCER BIOLOGY & THERAPY*. 5, 5, p. 544-548 5 p.

**Pharmacodynamic effects of seliciclib (r-roscovitine, cyc202) in patients with undifferentiated nasopharyngeal cancer (NPC) using a window trial design**

Hsieh, W. S., Peh, B. K., Loh, T., Chiao, J. H., Soo, R., Green, S. R., Lai, Y. F., Salto-Tellez, M., Soong, R. & Goh, B. C., 2006, In: *EJC SUPPLEMENTS*. 4, p. 88-88 1 p.

**RUNX3, a novel tumor suppressor, is frequently inactivated in gastric cancer by protein mislocalization (vol 65, pg 7743, 2005)**

Ito, K., Liu, Q., Salto-Tellez, M., Yano, T., Tada, K., Ida, H., Huang, C., Shah, N., Inoue, M., Rajnakova, A., Hiong, K. C., Peh, B. K., Han, H. C., Ito, T., Teh, M., Yeoh, K. G. & Ito, Y., 2006, In: Cancer Research. 66, p. 3345-3345 1 p.

**Pharmacodynamic effects of seliciclib (R-roscovitine, CYC202) in patients with undifferentiated nasopharyngeal carcinoma (NPC) using a window trial design.**

Hsieh, W., Peh, B. K., Loh, T., Chiao, J. H., Soo, R., Cui, C. Y., Green, S. R., Lai, Y. F., Salto-Tellez, M., Mow, B. & Goh, B. C., Nov 2005, In: Clinical Cancer Research. 11, p. 8983S-8984S

**Sensitive and cost-effective detection of epidermal growth factor receptor mutations in small biopsies by denaturing high performance liquid chromatography.**

Chin, T. M., Anuar, D., Soo, R., Salto-Tellez, M., Li, W. Q., Ahmad, B., Lee, S. C., Goh, B. C., Kawakami, K., Iacopetta, B. & Soong, R., Nov 2005, In: Clinical Cancer Research. 11, p. 9078S-9078S

**RUNX3, a novel tumor suppressor, is frequently inactivated in gastric cancer by protein mislocalization**

Ito, K., Liu, Q., Salto-Tellez, M., Yano, T., Tada, K., Ida, H., Huang, C. H., Shah, N., Inoue, M., Rajnakova, A., Hiong, K. C., Peh, B. K., Han, H. C., Ito, T., Teh, M., Yeoh, K. G. & Ito, Y., 01 Sep 2005, In: Cancer Research. 65, 17, p. 7743-7750 8 p.

**Transplantation of neonatal porcine islets and sertoli cells into nonimmunosuppressed nonhuman primates**

Isaac, J. R., Skinner, S., Elliot, R., Salto-Tellez, M., Garkavenko, O., Khoo, A., Lee, K. O., Calne, R. & Wang, D. Z., Sep 2005, p. 487-488. 2 p.

**Xenotransplantation of neonatal porcine islets and sertoli cells into nonimmunosuppressed streptozotocin-induced diabetic rats**

Wang, D. Z., Skinner, S., Elliot, R., Escobar, L., Salto-Tellez, M., Garkavenko, O., Khoo, A., Lee, K. O., Calne, R. & Isaac, J. R., Sep 2005, p. 470-471. 2 p.

**Clinical and molecular characteristics of hereditary non-polyposis colorectal cancer families in Southeast Asia**

Lee, S. C., Guo, J. Y., Lim, R., Soo, R., Koay, E., Salto-Tellez, M., Leong, A. & Goh, B. C., Aug 2005, In: Clinical Genetics. 68, 2, p. 137-145 9 p.

**Discordant quantitative detection of putative biomarkers in nodal micrometastases of colorectal cancer: biological and clinical implications**

Kong, S. L., Salto-Tellez, M., Leong, A. P. K., Chan, Y. H. & Koay, E. S. C., Aug 2005, In: Journal of Clinical Pathology. 58, 8, p. 839-844 6 p.

**Hydrogen sulfide is a novel mediator of lipopolysaccharide-induced inflammation in the mouse**

Li, L., Bhatia, M., Zhu, Y. Z., Zhu, Y. C., Ramnath, R. D., Wang, Z. J., Anuar, F. B. M., Whiteman, M., Salto-Tellez, M. & Moore, P. K., Jul 2005, In: The FASEB Journal. 19, 9, p. 1196 1 p.

**Lewis Carroll versus George Papanicolaou: a case for a unified international classification of cervical cytology**

Salto-Tellez, M., Jun 2005, In: Cytopathology. 16, 3, p. 153-155 3 p.

**Confocal laser endoscopy is useful for in-vivo rapid diagnosis of gastric neoplasia and pre-neoplasia**

Yeoh, K. G., Salto-Tellez, M., Khor, C. J., Shah, N., So, J. B., Shen, E. & Ho, K. Y., May 2005, In: Gastroenterology. 128, p. A27-A27 1 p.

**Seliciclib (R-roscovitine) induces apoptosis in undifferentiated nasopharyngeal cancer (NPC) in vivo and in vitro**

Goh, B. C., Peh, B. K., Cui, C. Y., Soo, R., Loh, T., Green, S., Hsieh, W. S., Lai, K. F., Salto-Tellez, M. & Mow, B., May 2005, In: Journal of Clinical Oncology. 23, p. 227S-227S



**Inhibition of histone deacetylase 2 increases apoptosis and p21(Cip1/WAF1) expression, independent of histone deacetylase 1**

Huang, B. H., Laban, M., Leung, C. H. W., Lee, L., Lee, C. K., Salto-Tellez, M., Raju, G. C. & Hooi, S. C., Apr 2005, In: Cell Death and Differentiation. 12, 4, p. 395-404 10 p.

**Metastatic testicular carcinoma from the colon with clinical, immunophenotypic, and molecular characterization: Report of a case**

Tiong, H. Y., Kew, C. Y. C., Tan, K. B., Salto-Tellez, M. & Leong, A. F. P. K., Mar 2005, In: Diseases of the Colon and Rectum. 48, 3, p. 582-585 4 p.

**Adenomyoepithelioma of the breast: description of allelic imbalance and microsatellite instability**

Salto-Tellez, M., Putti, T. C., Lee, C. K., Chiu, L. L. & Koay, E. S. C., Feb 2005, In: Histopathology. 46, 2, p. 230-231 2 p.

**ARDS in SARS: cytokine mediators and treatment implications**

Salto-Tellez, M., Tan, E. & Lim, B., 21 Jan 2005, In: Cytokine. 29, 2, p. 92-94 3 p.

**A model for directed embryonic stem cell differentiation: Establishing lineage-restricted progenitor cell lines**

Lian, Q., Lim, S. K., Que, J., James, B., Salto-Tellez, M., Yin, Y., Tan, E., Yeo, K., Yu, F. & Oakley, R., 2005, In: Mechanisms of Development. 122, p. S133-S133 1 p.

**A proteomic analysis of thioacetamide-induced hepatotoxicity and cirrhosis in rat livers**

Low, T. Y., Leow, C. K., Salto-Tellez, M. & Chung, M. C. M., Dec 2004, In: Proteomics. 4, 12, p. 3960-3974 15 p.

**Lymphocytic gastritis-like T cell lymphoma: molecular evidence of an unusual recurrence**

Nga, M. E., Tan, S. H., Teh, M., Koay, E. S. C., Chong, S. M., Putti, T. C. & Salto-Tellez, M., Nov 2004, In: Journal of Clinical Pathology. 57, 11, p. 1222-1224 3 p.

**T-cell post-transplant lymphoproliferative disorder after hematopoietic stem cell transplantation: another case and a review of the literature**

Lau, L. G., Tan, L. K., Salto-Tellez, M., Koay, E. S. C. & Liu, T. C., Nov 2004, In: Bone Marrow Transplantation. 34, 9, p. 821-822 2 p.

**The geography of HFE mutations: molecular diagnosis of haemochromatosis and the globalization of genetic testing**

Salto-Tellez, M. & Koay, E. S. C., Nov 2004, In: European Journal of Human Genetics. 12, 11, p. 877-878 2 p.

**Molecular diagnostic cytopathology: definitions, scope and clinical utility**

Salto-Tellez, M. & Koay, E. S. C., Oct 2004, In: Cytopathology. 15, 5, p. 252-255 4 p.

**Microsatellite instability in colorectal cancer: Considerations for molecular diagnosis and high-throughput screening of archival tissues**

Salto-Tellez, M., Lee, S. C., Chiu, L. L., Lee, C. K., Yong, M. C. & Koay, E. S. C., Jun 2004, In: Clinical Chemistry. 50, 6, p. 1082-1086 5 p.

**Myocardial infarction in the C57BL/6J mouse - A quantifiable and highly reproducible experimental model**

Salto-Tellez, M., Lim, S. Y., El Oakley, R. M., Tang, T. P. L., Almsherqi, Z. A. M. & Lim, S. K., Mar 2004, In: Cardiovascular Pathology. 13, 2, p. 91-97 7 p.

**Sequence confirmation of the EWS-WT1 fusion gene transcript in the peritoneal effusion of a patient with desmoplastic small round cell tumor**

Chiu, L. L., Koay, E. S. C., Chan, N. H. & Salto-Tellez, M., Dec 2003, In: Diagnostic Cytopathology. 29, 6, p. 341-343 3 p.

**Tissue microarray study for classification of breast tumors**

Zhang, D. H., Salto-Tellez, M., Chiu, L. L., Shen, L. & Koay, E. S. C., 07 Nov 2003, In: Life Sciences. 73, 25, p. 3189-3199 11 p.

**Multiplex RT-PCR for the detection of leukemia-associated translocations - Validation and application to routine molecular diagnostic practice**

Salto-Tellez, M., Shelat, S. G., Benoit, B., Rennert, H., Carroll, M., Leonard, D. G. B., Nowell, P. & Bagg, A., Nov 2003, In: Journal of Molecular Diagnostics. 5, 4, p. 231-236 6 p.

**Extra-hepatic embolisation of Y-90 microspheres from selective internal radiation therapy (SIRT) of the liver**

Thamboo, T. P., Tan, K. B., Wang, S. C. & Salto-Tellez, M., Aug 2003, In: Pathology. 35, 4, p. 351-353 3 p.

**Immunocytochemistry versus molecular fingerprinting of metastases**

Salto-Tellez, M., Zhang, D., Chiu, L. L., Wang, S. C., Nilsson, B. & Koay, E. S. C., Aug 2003, In: Cytopathology. 14, 4, p. 186-190 5 p.

**Intrinsic variability in the detection of micrometastases in lymph nodes for re-staging of colorectal cancer: effect of individual markers and tissue samples**

Salto-Tellez, M., Kong, S. L., Leong, A. P. K. & Koay, E. S. C., Jun 2003, In: European Journal of Cancer. 39, 9, p. 1234-1241 8 p.

**Evaluation of HER-2/neu oncogene status in breast tumors on tissue microarrays**

Zhang, D. H., Salto-Tellez, M., Do, E., Putti, T. C. & Koay, E. S. C., 01 Apr 2003, In: Human Pathology. 34, 4, p. 362-368 7 p.

**Reliability of tissue microarrays in detecting protein expression and gene amplification in breast cancer**

Zhang, D. H., Salto-Tellez, M., Putti, T. C., Do, E. & Koay, E. S. C., 01 Jan 2003, In: Modern pathology. 16, 1, p. 79-84 6 p.

**Diagnostic validation of capillary electrophoresis analysis of T-cell receptor gamma-chain gene rearrangements: Prediction of malignant transformation of cutaneous T-cell lymphoproliferative disorders**

Chang, T. L., Salto-Tellez, M., Thamboo, T. P., Lee, Y. S. & Koay, E. S. C., 2003, In: Clinical Chemistry. 49, p. 513-515 3 p.

**AFP(+), ESC-derived cells engraft and differentiate into hepatocytes in vivo**

Yin, Y., Lim, Y. K., Salto-Tellez, M., Ng, S. C., Lin, C. S. & Lim, S. K., 2002, In: Stem Cells. 20, 4, p. 338-346 9 p.

**Cytokeratin expression in gastrointestinal stromal tumours: a word of caution**

Nga, M. E., Wong, A. S. C., Wee, A. & Salto-Tellez, M., 2002, In: Histopathology. 40, 5, p. 480-481 2 p.

**Microsatellite instability and mutational status of human K-ras oncogene in hereditary non-polyposis colorectal cancer.**

Koay, E. S., Chiu, L. L., Lim, S. & Salto-Tellez, M., 2001, In: Clinical Chemistry. 47, p. A138-A138 1 p.

**The effect of the biopsy number on sensitivity and specificity of ultra-rapid urease test in detecting Helicobacter pylori: A prospective study**

Lim, L. L., Ho, B., Salto-Tellez, M. & Ho, K. Y., 2001, In: Gastrointestinal Endoscopy. 53, p. AB210-AB210 1 p.

**Plasma cell polyp of the vocal fold**

Lee, S. B. J. P., Kundu, S. & Salto-Tellez, M., Aug 2000, In: Journal of Laryngology and Otology. 114, 8, p. 646-648 3 p.

**Diagnosis of multiple granular cell tumours by fine needle aspiration cytology**

Salto-Tellez, M., Saunders, C. & Kocjan, G., 2000, In: Cytopathology. 11, 3, p. 191-193 3 p.

**Lymphocytic mastopathy in a patient with previous breast cancer diagnosed by fine-needle aspirate**

Salto-Tellez, M. & Kocjan, G., 2000, In: Diagnostic Cytopathology. 23, 2, p. 141-142 2 p.

### **What is the significance of muciphages in colorectal biopsies?**

Salto-Tellez, M. & Price, A. B., 2000, In: Histopathology. 36, p. 556-559 4 p.

### **Ljubljana classification of epithelial hyperplastic laryngeal lesions**

Friedman, I., Shah, K. A. & Salto-Tellez, M., 1999, In: Histopathology. 35, p. 579-579 1 p.

## **Research output**

### **Irish Association for Cancer Research, 56th Annual Conference, Galway 2020**

Jacqueline James (Participant), Amelie Viratham Pulsawatdi (Participant), Stephanie Craig (Participant), Victoria Bingham (Participant), Kris McCombe (Participant), Matt Humphries (Participant), Susan Richman (Participant), PHil Quirke (Participant) & Manuel Salto-Tellez (Participant)

26 Feb 2020 → 28 Feb 2020

### **Martyn Bottomley**

Jacqueline James (Host) & Manuel Salto-Tellez (Host)

10 Oct 2019

### **Penny Wilson**

Jacqueline James (Host), Manuel Salto-Tellez (Host) & David Gonzalez de Castro (Host)

14 Aug 2019

### **Ralf Huss**

Jacqueline James (Host) & Manuel Salto-Tellez (Host)

18 Apr 2019

### **Poster Presentation - American Association for Cancer Research (AACR) 2018**

Jacqueline James (Participant), Stephanie Craig (Participant), Victoria Bingham (Participant), Peter Bankhead (Participant), Stephen McQuaid (Participant), Maria Tumelty (Participant), Simon McDade (Participant) & Manuel Salto-Tellez (Participant)

14 Apr 2018 → 18 Apr 2018

### **National University of Singapore**

Manuel Salto-Tellez (Visitor)

01 Apr 2011 → ...

## **Projects**

### **R1523CNR: "S-CORT: Stratification in COloRectal cancer: from biology to Treatment prediction".**

Lawler, M., Johnston, P., Kennedy, R., Salto-Tellez, M. & Wilson, R.

29/04/2015 → ...

### **R1005PMY: Artificial Intelligence Enables Clinical Decision Making in the Digital Healthcare Era**

McArt, D., Kennedy, R. & Salto-Tellez, M.

12/02/2019 → ...

### **R1089CNR: Central Importance of CXCL8 to Inflammation-Promoted Prostate Cancer Progression**

Waugh, D., Kissenpfennig, A. & Salto-Tellez, M.

01/08/2011 → 31/03/2017

### **R1140CNR: Digital Innovation Hub Programme - DATA CAN**

Lawler, M., Gavin, A., James, J. & Salto-Tellez, M.

02/01/2020 → ...

**R3005CNR: Establishing a Precision Medicine Catapult Centre of Excellence in Northern Ireland**

Salto-Tellez, M., Gonzalez de Castro, D., James, J., Kennedy, R., McArt, D. & Waugh, D.  
01/12/2017 → ...

**R3511CNR: Establishment of an Integrated Almac-QUB Drug Discovery Unit at CCRCB**

Harrison, T., Harkin, P., Johnston, P., Kennedy, R., Longley, D., Mullan, P., Prise, K., Salto-Tellez, M., Waugh, D., Williams, R. & Wilson, R.  
01/08/2012 → 30/04/2016

**R5771CNR: Establishment of an Integrated Almac-QUB Drug Discovery Unit at CCRCB**

Waugh, D., Harkin, P., Johnston, P., Kennedy, R., Longley, D., Mullan, P., O'Sullivan, J., Prise, K., Salto-Tellez, M., Williams, R. & Wilson, R.  
01/08/2012 → 30/04/2016

**R1917CNR: Health Data Research UK (HDR UK)**

Lawler, M., Blayney, J., Coleman, H., Dunne, P., Heaney, L., Kee, F., McArt, D., Nikolopoulos, D., O'Reilly, D., Overton, I., Salto-Tellez, M. & Woods, R.  
29/10/2018 → ...

**R1129ECI: Kelvin-2 - The High Performance Computing Centre in Northern Ireland (HPC-NI)**

Woods, R., Chevallier, O., Gillan, C., Hu, P., Rafferty, K., Salto-Tellez, M., Tikhonova, I. & Vandierendonck, H.  
04/12/2019 → ...

**R2116CNR: MOVEMBER CENTRE OF EXCELLENCE**

O'Sullivan, J., Jain, S., Kennedy, R., McDade, S., Prise, K., Salto-Tellez, M. & Waugh, D.  
21/05/2014 → 30/06/2019

**R4867CNR: PathLEAD - Pathology Image Data Lake for Education, Analytics and Discovery**

Salto-Tellez, M. & James, J.  
18/07/2019 → ...

**R6416CNR: Phase 1B/II study of MEK1/2 inhibitor PD-0325901 with cMET inhibitor PF-02341066 in KRASMT and KRASWT (with aberrant c-MET) Colorectal Cancer Patients**

Van Schaeybroeck, S., Johnston, P., Kennedy, R., Lawler, M., Longley, D., Salto-Tellez, M. & Wilson, R.  
01/08/2013 → ...

**R3515CNR: Phase I/II Clinical Trial for ALM201 for the treatment of solid tumours**

Wilson, R., Kennedy, R., Salto-Tellez, M. & Waugh, D.  
01/08/2012 → 28/09/2017

**R2111CNR: Research Resource – A national digital pathology and image analysis platform for solid tumours, complemented by a comprehensive Clinical Fellowship programme in Molecular Pathology.**

Salto-Tellez, M., James, J., Kennedy, R., Lawler, M. & Waugh, D.  
09/06/2015 → ...

**R4805CNR: Systems Modeling of Tumor Heterogeneity & Therapy response in Colorectal Cancer**

Longley, D., Dunne, P., Lawler, M., McArt, D. & Salto-Tellez, M.  
28/06/2017 → ...