

## Jeremy Jass Prize for Research Excellence in Pathology 2013

Every year the Editorial team of the *Journal of Pathology* award the Jeremy Jass Prize for Research Excellence to a paper published in the prior calendar year that they perceive as being of the highest scientific calibre. This is a difficult and invidious decision since the standard of papers published in the Journal is so high. Each member of the team selected the top three in their opinion and then the *Editor in Chief* identified the paper with the most ‘votes’.

For the calendar year 2013 the decision was particularly difficult but by a small margin the paper by Martinez et al from Charles Swanton’s laboratory on “**Parallel evolution of tumour subclones mimics diversity between tumours**” is this year’s winner of the Jass Prize.

Pierre Martinez, Nicolai Juul Birkbak, Marco Gerlinger, Nicholas McGranahan, Rebecca A Burrell, Andrew J Rowan, Tejal Joshi, Rosalie Fisher, James Larkin, Zoltan Szallasi and Charles Swanton **Parallel evolution of tumour subclones mimics diversity between tumours** THE JOURNAL OF PATHOLOGY 2013; 230: 356–364, DOI: 10.1002/path.4214

This year we wish to highlight three other papers that were very close in the rankings, namely

Michaela Aichler, Mareike Elsner, Natalie Ludyga, Annette Feuchtinger, Verena Zangen, Stefan K Maier, Benjamin Balluff, Cédrik Schöne, Ludwig Hierber, Herbert Braselmann, Stephan Meding, Sandra Rauser, Hans Zischka, Michaela Aubele, Manfred Schmitt, Marcus Feith, Stefanie M Hauck, Marius Ueffing, Rupert Langer, Bernhard Kuster, Horst Zitzelsberger, Heinz Höfler and Axel K Walch **Clinical response to chemotherapy in oesophageal adenocarcinoma patients is linked to defects in mitochondria** THE JOURNAL OF PATHOLOGY 2013; 230: 410–419, DOI: 10.1002/path.4199

Grace TY Chung, Raymond WM Lung, Angela BY Hui, Kevin YL Yip, John KS Woo, Chit Chow, Carol YK Tong, Sau-Dan Lee, Jessie WF Yuen, Samantha WM Lun, Ken KY Tso, Nathalie Wong, Sai-Wah Tsao, Timothy TC Yip, Pierre Busson, Hyungtae Kim, Jeong-Sun Seo, Brian O’Sullivan, Fei-Fei Liu, Ka-Fai To and Kwok-Wai Lo **Identification of a recurrent transforming *UBR5–ZNF423* fusion gene in EBV-associated nasopharyngeal carcinoma** THE JOURNAL OF PATHOLOGY 2013; 231: 158–167, DOI: 10.1002/path.4240

Ian J Majewski, Lorenza Mittempergher, Nadia M Davidson, Astrid Bosma, Stefan M Willems, Hugo M Horlings, Iris de Rink, Liliana Greger, Gerrit KJ Hooijer, Dennis Peters, Petra M Nederlof, Ingrid Hofland, Jeroen de Jong, Jelle

Wesseling, Roelof JC Kluin, Wim Brugman, Ron Kerkhoven, Frank Nieboer, Paul Roepman, Annegien Broeks, Thomas R Muley, Jacek Jassem, Jacek Niklinski, Nico van Zandwijk, Alvis Brazma, Alicia Oshlack, Michel van den Heuvel and René Bernards **Identification of recurrent *FGFR3* fusion genes in lung cancer through kinome-centred RNA sequencing**

THE JOURNAL OF PATHOLOGY 2013; 230: 270–276, DOI: 10.1002/path.4209

The following papers (in alphabetical order of first author family name) were also identified as being of great merit

Maha A Al-Rakan, Dilek Colak, Siti-Faujiah Hendrayani, Albandary Al-Bakheet, Falah H Al-Mohanna, Namik Kaya, Osama Al-Malik and Abdelilah Aboussekhra. **Breast stromal fibroblasts from histologically normal surgical margins are pro-carcinogenic.** THE JOURNAL OF PATHOLOGY 2013 ; 231, Issue 4: 457–465, 10.1002/path.4256

Louise J Barber, Shahneen Sandhu, Lina Chen, James Campbell, Iwanka Kozarewa, Kerry Fenwick, Ioannis Assiotis, Daniel Nava Rodrigues, Jorge S Reis-Filho, Victor Moreno, Joaquin Mateo, L Rhoda Molife, Johann De Bono, Stan Kaye, Christopher J Lord and Alan Ashworth **Secondary mutations in *BRCA2* associated with clinical resistance to a PARP inhibitor** THE JOURNAL OF PATHOLOGY 2013; 229: 422–429, DOI: 10.1002/path.4140

Ali Bashashati, Gavin Ha, Alicia Tone, Jiarui Ding, Leah M Prentice, Andrew Roth, Jamie Rosner, Karey Shumansky, Steve Kalloger, Janine Senz, Winnie Yang, Melissa McConechy, Nataliya Melnyk, Michael Anglesio, Margaret TY Luk, Kane Tse, Thomas Zeng, Richard Moore, Yongjun Zhao, Marco A Marra, Blake Gilks, Stephen Yip, David G Huntsman, Jessica N McAlpine and Sohrab P Shah. **Distinct evolutionary trajectories of primary high-grade serous ovarian cancers revealed through spatial mutational profiling** THE JOURNAL OF PATHOLOGY 2013; 231: 21–34, DOI: 10.1002/path.4230

Eva Budinska, Vlad Popovici, Sabine Tejpar, Giovanni D’Ario, Nicolas Lapique, Katarzyna Otylia Sikora, Antonio Fabio Di Narzo, Pu Yan, John Graeme Hodgson, Scott Weinrich, Fred Bosman, Arnaud Roth and Mauro Delorenzi **Gene expression patterns unveil a new level of molecular heterogeneity in colorectal cancer** THE JOURNAL OF PATHOLOGY 2013; 231: 63–76, DOI: 10.1002/path.4212

Andrew D Beggs, Angela Jones, Mona El-Bahwary, Muti Abulafi, Shirley V Hodgson and Ian PM Tomlinson. **Whole-genome methylation analysis of benign and malignant colorectal tumours** THE JOURNAL OF PATHOLOGY 2013; 229: 697–704, DOI: 10.1002/path.4132

Irene Y Chong, David Cunningham, Louise J Barber, James Campbell, Lina Chen, Iwanka Kozarewa, Kerry Fenwick, Ioannis Assiotis, Sebastian Guettler, Isaac Garcia-Murillas, Saima Awan, Maryou Lambros, Naureen Starling, Andrew Wotherspoon, Gordon Stamp, David Gonzalez-de-Castro, Martin Benson, Ian Chau, Sanna Hulkki, Mahrokh Nohadani, Zakaria Eltahir, Alina Lemnrau, Nicholas Orr, Sheela Rao, Christopher J Lord and Alan Ashworth **The genomic landscape of oesophagogastric junctional adenocarcinoma** THE JOURNAL OF PATHOLOGY 2013; 231: 301–310, DOI: 10.1002/path.4247

Marco Gerlinger, Sergio A Quezada, Karl S Peggs, Andrew JS Furness, Rosalie Fisher, Teresa Marafioti, Vishvesh H Shende, Nicholas McGranahan, Andrew J Rowan, Steven Hazell, David Hamm, Harlan S Robins, Lisa Pickering, Martin Gore, David L Nicol, James Larkin and Charles Swanton **Ultra-deep T cell receptor sequencing reveals the complexity and intratumour heterogeneity of T cell clones in renal cell carcinomas** THE JOURNAL OF PATHOLOGY 2013; 231: 424–432, DOI: 10.1002/path.4284

Michael Herfs, Sara O Vargas, Yusuke Yamamoto, Brooke E Howitt, Marisa R Nucci, Jason L Hornick, Frank D Mckeon, Wa Xian and Christopher P Crum **A novel blueprint for ‘top down’**

**differentiation defines the cervical squamocolumnar junction during development, reproductive life, and neoplasia** THE JOURNAL OF PATHOLOGY 2013; 229: 460–468, DOI: 10.1002/path.4110

Rachel Kobos, Makoto Nagai, Masumi Tsuda, Man Yee Merl, Tsuyoshi Saito, Marick Laé, Qianxing Mo, Adam Olshen, Steven Lianoglou, Christina Leslie, Irina Ostrovnaya, Christophe Antczak, Hakim Djaballah and Marc Ladanyi **Combining integrated genomics and functional genomics to dissect the biology of a cancer-associated, aberrant transcription factor, the ASPSCR1–TFE3 fusion oncoprotein.** THE JOURNAL OF PATHOLOGY 2013; 229: 743–754, 5 MAR 2013, DOI: 10.1002/path.4158

Adelheid Kratzer, Hong Wei Chu, Jonas Salys, Zakaria Moumen, Maike Leberl, Russ Bowler, Carlyne Cool, Martin Zamora and Laima Taraseviciene-Stewart. **Endothelial cell adhesion molecule CD146: implications for its role in the pathogenesis of COPD** THE JOURNAL OF PATHOLOGY 2013; 230: 388–398, DOI: 10.1002/path.4197

Bart Smeets, Peter Boor, Henry Dijkman, Shagun V Sharma, Peggy Jirak, Fieke Mooren, Katja Berger, Jörg Bornemann, Irwin H Gelman, Jürgen Floege, Johan van der Vlag, Jack FM Wetzel and Marcus J Moeller **Proximal tubular cells contain a phenotypically distinct, scattered cell population involved in tubular regeneration** THE JOURNAL OF PATHOLOGY 2013; 229: 645–659, DOI: 10.1002/path.4125