

Poster Program

Poster session

Monday, September 21, 2015 at 13:30-14:30

Poster Session contd.

Tuesday, September 22, 2015 at 13:30-14:30

[P01]	<p>hsa-miR-448 significantly inhibits MALAT1 oncogenic and metastatic activity in malignant breast cancer by suppressing aberrant KDM5B expression O.A.O. Bamodu^{*1,2}, L.S. Wang^{1,2}, T.Y. Chao², A.T.H. Wu³, C.T. Yeh², ¹Taipei Medical University, Taiwan, ²Taipei Medical University-Shuang Ho Hospital, Taiwan</p>
[P02]	<p>Epigenetic effect of ascorbic acid on differentiation of neural stem cells J-H. Kim^{1,2}, M. Kim^{*1,2}, ¹KRIBB, Republic of Korea, ²UST, Republic of Korea</p>
[P03]	<p>HAUSP regulates hypoxia-induced gene transcription through deubiquitination of HIF-1a and induction of H3K56 acetylation, a histone mark crucial for ES cell pluripotency transcription H.T. Wu¹, Y.C. Kuo¹, C.H. Huang², S.C. Teng³, K.J. Wu^{*1}, ¹China Medical University, Taiwan, ²Taiwan Advance Biopharm Inc., Taiwan, ³National Taiwan University, Taiwan</p>
[P04]	<p>APP intracellular domain suppress neuronal differentiation through transcriptional regulation of mir663 Z.C. Xiao^{*1}, R.Z. Shu¹, G. Dawe², L. Stanton³, ¹Monash University, Australia, ²National University of Singapore, Singapore, ³Genomic Institute of Singapore, Singapore</p>
[P05]	<p>Stem cell programs are epigenetically retained in leukemic lymphoblasts D. Hong, Shanghai Jiaotong University School of Medicine, China</p>
[P06]	<p>Intronic regulation of human GLI1 DNA by cis DNA elements and epigenetic marks R. Taylor¹, J. Long², R. Childs¹, J. Yoon¹, K.B. Sylvestersen³, M.L. Nielsen³, D.O. Walterhouse¹, D. Robbins², P. Iannaccone^{*1}, ¹Northwestern University, USA, ²University of Miami, USA, ³University of Copenhagen, Denmark</p>
[P07]	<p>Arid1a loss within the intestinal epithelium leads to inflammation, tumourigenesis and to sensitivity to DNA damage A.M. Nicholson*, C. Palmer, S. Menon, A.S. Thorsen, T. Rus, E. Morrissey, R. Kemp, D. Winton, Cambridge Institute, UK</p>
[P08]	<p>Survey of exosomal miRNA originating from paediatric brain cancer stem cells A. Tuzesi*, A. Danielsson, H. Carén, University of Gothenburg, Sweden</p>
[P09]	<p>Overexpression of TET1 dioxygenase in seminomas M. Benešová*, K. Trejbalová, J. Hejnar, Institute of Molecular Genetics of the ASCR, Czech Republic</p>
[P10]	<p>EZH2 regulates colorectal cancer initiating cells self-renewal E. Lima-Fernandes^{*1,5}, C. Zeller^{2,4}, A. Murison^{2,3}, Y. Wang², D. Barsyte-Lovejoy^{1,5}, J. Jian⁶, D. De Carvalho^{2,4}, M. Lupien^{2,3}, C.A. O'Brien², C.H. Arrowsmith^{1,5}, ¹University of Toronto, Canada, ²University Health Network, Canada, ³Princess Margaret Cancer Centre, Canada, ⁴Ontario Cancer Institute, Canada, ⁵Structural Genomics Consortium, Canada, ⁶Icahn School of Medicine Mount Sinai, USA</p>
[P11]	<p>Dicer-dependent microRNAs are essential for adult hippocampal neurogenesis but not for gliogenesis in the mouse brain M. Pons-Espinal^{*1}, E. de Luca¹, R. Beckervordersandforth², K. Fabel^{3,4}, G. Kempermann^{3,4}, D. De Pietri Tonelli¹, ¹Istituto Italiano di Tecnologia, Italy, ²Friedrich-Alexander University Erlangen-Nuremberg, Erlangen, Germany, ³Center for Regenerative Therapies Dresden, Germany, ⁴Partner Institute Dresden, Germany</p>
[P12]	<p>Interaction of pRb and Polycomb signaling in initiation of fat differentiation B.V. Popov, N.A. Vereshagina, N.S. Petrov*, Institute of Cytology RAS, Russia</p>
[P13]	<p>5-Hydroxymethylation marks a class of neuronal gene regulated by intragenic methylcytosine levels R.E. Irwin*, A. Thakur, K.M. O'Neill, C.P. Walsh, Ulster University, UK</p>
[P14]	<p>Distinct bilineage differentiation ability and plasticity correlate with molecular phenotype of two human clonal bone marrow stromal cell lines M. Elsafadi, M. Muthurangan, A. Aldahmash, A. Mahmood*, King Saud University, Saudi Arabia</p>
[P15]	<p>Gene expression patterns at reprogramming in vitro and in vivo. A. Mikhailov*, Y. Sankai, University of Tsukuba, Japan</p>

[P16]	The DNA damage response factor Mad212 is crucial for the epigenetic status of embryonic stem and primordial germ cells A. Rahjouei ^{1*} , M. Pirouz ^{1,2} , D. Kamin ¹ , M. Kessel ¹ , ¹ Max Planck Institute for Biophysical Chemistry, Germany, ² Harvard Stem Cell Institute, USA
[P17]	Epigenetic programming of neural stem cells quiescence by stress glucocorticoid hormones M. Schouten ¹ , P.J. Lucassen ¹ , J.M. Encinas ² , C.P. Fitzsimons ^{1*} , ¹ University of Amsterdam, The Netherlands, ² Achucarro Besque Center for Neuroscience and University of Basque Country, Spain
[P18]	Contrasting epigenetic landscape between the different states of mouse in vitro pluripotency M. Tosolini*, P. Adenot, M. Chebrout, L. Jouneau, N. Beaujean, A. Bonnet-Garnier, A. Jouneau, UMR1198 Biologie du Développement et Reproduction, France
[P19]	Transcriptional, epigenetic and retroviral integration signatures identify regulatory regions involved in lineage commitment of human hematopoietic stem/progenitor cells O. Romano ^{1*} , C. Peano ² , G. Malagoli Tagliazucchi ¹ , L. Petiti ² , E. Rizzi ² , M. Severgnini ² , S. Bicciato ¹ , G. De Bellis ² , F. Mavilio ^{1,3} , A. Miccio ^{1,4} , ¹ University of Modena and Reggio Emilia, Italy, ² Institute of Biomedical Technologies, Italy, ³ Genethon, France, ⁴ Imagine Institute, France
[P20]	DNA methylation programming of neural stem cell differentiation F.C. Zhou*, C.L. Lo, Y. Balaraman, K.P. Nephew, Y. Chen, Indiana University School Medicine, USA
[P21]	Nuclear PKM2 regulates epigenetics and associate with cancer malignancy M. Konno*, N. Nishida, K. Kawamoto, J. Koseki, A. Hamabe, Y. Doki, M. Mori, H. Ishii, Osaka University, Japan
[P22]	Polycomb underlies transcriptional heterogeneity in lineage priming of embryonic stem cells J.J. Hölzenspies ^{1*} , R.S. Illingworth ² , W.A. Bickmore ¹ , J.M. Brickman ¹ , ¹ Danish Stem Cell Center, Denmark, ² MRC Human Genetics Unit, UK
[P23]	Global and targeted demethylation during iPSC reprogramming I. Milagre ^{1*} , F. Santos ¹ , F. Frueger ¹ , M. Bachman ² , M. King ¹ , S. Balasubramanian ² , S. Andrews ¹ , W. Dean ¹ , W. Reik ¹ , ¹ Babraham Institute, UK, ² University of Cambridge, UK
[P24]	Cell type-selective disease-association of genes under high regulatory load M. Galhardo ¹ , P. Berninger ² , T. Sauter ¹ , L. Sinkkonen ^{1*} , ¹ University of Luxembourg, Luxembourg, ² University of Basel, Switzerland
[P25]	Epigenetic regulation by the 5-methylcytosine dioxygenase Tet1 in the post-implantation mouse epiblast R. Khoueiry, A. Sohni, K.P. Koh*, KU Leuven, Belgium
[P26]	Epigenetic and single-cell transcriptome analysis of the MuERVL/Zscan4 positive subpopulation of mouse embryonic stem cells M. Eckersley-Maslin ^{1*} , V. Svensson ² , R. Miragaia ² , T. Stubbs ¹ , S. Teichmann ² , W. Reik ^{1,3} , ¹ Babraham Institute, UK, ² EMBL-EBI, UK, ³ Wellcome Trust Sanger Institute, UK
[P27]	Transcriptional and epigenetic mechanisms controlling astroglialogenesis and permissiveness to astroglia-to-neuron reprogramming N. Tiwari ^{1*} , S. Thakurela ² , V. Tiwari ² , B. Berninger ¹ , ¹ Johannes Gutenberg University Mainz, Germany, ² Institute of Molecular Biology (IMB), Germany
[P28]	Transposon mediated modulation of a signaling pathway controls germline stem cell differentiation M. Upadhyay, Y. Martino-Cortez, P. Rangan*, SUNY Albany, USA
[P29]	C17orf96 balances PRC2 and transcription elongation factors on chromatin M. Beringer*, P. Pisano, E. Blanco, M. Wierer, P. Chammas, L. di Croce, Centre of Genomic Regulation, Spain
[P30]	Permanent epigenetic silencing of human genes with artificial transcriptional repressors A. Migliara ^{1,2} , A. Amabile ^{1,2} , T. Di Tomaso ¹ , P. Capasso ¹ , M. Biffi ¹ , L. Naldini ^{1,2} , A. Lombardo ^{1,2} , ¹ San Raffaele Scientific Institute, Italy, ² Vita Salute San Raffaele University, Italy
[P31]	The Relationship Between D- and L-2-Hydroxyglutarate and Epithelial-Mesenchymal Transition H.S. Colvin*, N. Nishida, M. Konno, J. Koseki, K. Kawamoto, Y. Doki, M. Mori, H. Ishii, Osaka University, Japan
[P32]	Epigenetic changes in cord blood-derived stem cells in response to alcohol exposure in utero P.J. Narayan ^{1,2} , A. Brooks ³ , G. Gee ¹ , T. Gamage ¹ , T. Wouldes ⁴ , L.W. Chamley ¹ , S. Stevens ¹ , ¹ University of Auckland, New Zealand, ² Gravida National Centre for Growth and Development, New Zealand, ³ Maurice Wilkins Centre, New Zealand
[P33]	Wnt-mediated epigenetic transition of malignant cells to stem-like state under metabolic stress E. Lee*, J. Cheong, J. Yang, Yonsei University, Republic of Korea

[P34]	Exploring the epigenetic profile of SOX2 in prostate cancer cells S. Kar*, S.K. Rath, D. Sengupta, M. Deb, N. Pradhan, S. Parbin, A. Shilpi, S.K. Patra, <i>National Institute of Technology, India</i>
[P35]	The demethylase Jmjd2c facilitates epiblast lineage priming at the onset of mouse embryonic stem cell differentiation R.A. Tomaz* ¹ , J.L. Harman ² , D. Karimlou ¹ , L. Weavers ¹ , K.K. Niakan ³ , S. Ait-Si-Ali ⁴ , H.F. Jorgensen ² , V. Azuara ¹ , I. Del valle Torres ³ , L. Fritsch ⁴ , ¹ Imperial College London, UK, ² University of Cambridge, UK, ³ MRC National Institute for Medical Research, UK, ⁴ Université Paris Diderot, France
[P36]	Essential role for non-canonical PRC1.1 in leukemia independent of the canonical PRC/PRC1 axis V. van den Boom ¹ , H. Maat ¹ , J. Jaques ¹ , A. Brouwers-Vos ¹ , R. Groen ³ , A. Martens ³ , H. Stunnenberg ² , E. Vellenga ¹ , J. Martens ² , J.J. Schuringa* ¹ , ¹ UMCG, The Netherlands, ² Radboud University Nijmegen, The Netherlands, ³ VU (Free University) University Medical Center Amsterdam, The Netherlands
[P37]	Obesity epigenetically modulates the differentiation-vs-renewal balance in adipose-derived stem cells J.R. Bracht*, S.E. Marshall, E.M. Bullwinkle, K.L. DeCicco-Skinner, <i>American University, USA</i>
[P38]	The dynamic interactome and genomic localization of Polycomb complexes during stem cell differentiation S.L. Kloet*, H.I. Baymaz, M.M. Makowski, M. Vermeulen, <i>Radboud University, The Netherlands</i>
[P39]	Single-cell 5-hydroxymethylcytosine sequencing reveals extensive strand bias among individual cells D. Mooijman*, S. Dey, J. C. Boisset, N. Crosetto, A. van Oudenaarden, <i>Hubrecht Institute, The Netherlands</i>
[P40]	Vitamin C regulation of rat embryonic stem cell self-renewal T. Burdon, S. Meek*, J. Wei, L. Sutherland, <i>The Roslin Institute, UK</i>
[P41]	Changes in DNA methylation and chromatin accessibility between human and chimpanzee iPSCs I. Gallego Romero* ¹ , B.J. Pavlovic ¹ , I. Hernando-Herraez ³ , T. Marques-Bonet ³ , L.C. Laurent ² , Y. Gilad ¹ , ¹ University of Chicago, USA, ² University of California San Diego, USA, ³ Universitat Pompeu Fabra, Spain
[P42]	A hidden Markov random field based Bayesian method for the de-tetection of long-range chromosomal interactions in Hi-C Data Z.X. Xu ² , G.Z. Zhang ² , F.J. Jin ³ , M.C. Chen ² , T.S.F. Furey ² , P.F.S. Sullivan ² , Z.S.Q. Qin ⁴ , M.H. Hu* ¹ , Y.L. Li ² , ¹ New York University, USA, ² University of North Carolina, USA, ³ Ludwig Institute for Cancer Research, USA, ⁴ Emory University, USA
[P43]	CENP-A loading in drosophila intestinal stem cells A. Garcia del Arco*, S. Erhardt, <i>Zentrum für Molekulare Biologie der Universität Heidelberg (ZMBH), Germany</i>
[P44]	Dissecting the role of Setd1a-mediated histone methylation in adult hematopoietic stem cell function K. Arndt*, A. Kranz, A.F. Stewart, C. Waskow, <i>TU Dresden, Germany</i>
[P45]	A new paradigm in alignment of the bisulfite-sequencing data A. Sharifi-Zarchi* ^{1,6} , A. Afzal ² , M. Rabiee ² , R. Dannebaum ³ , A. Malekpour ⁴ , M. Sadeghi ⁵ , H. Pezeshk ⁴ , G.K. Ramamoorthy ³ , H. Chitsaz ¹ , ¹ Colorado State University, USA, ² Sharif University of Technology, Iran, ³ Department of Energy Joint Genome Institute, USA, ⁴ University of Tehran, Iran, ⁵ National Institute of Genetic Engineering and Biotechnology, Iran, ⁶ Royan Institute for Stem Cell Research and Reproductive Medicine, Iran
[P46]	Association of DNA methylation in discrimination of enhancers from promoters through H3K4me1-H3K4me3 seesaw A. Sharifi-Zarchi* ^{1,2} , K. Adachi ³ , M. Totonchi ² , H. Pezeshk ^{4,10} , R.J. Taft ⁵ , H.R. Schöler ³ , H. Chitsaz ¹ , M. Sadeghi ^{7,10} , H. Baharvand ^{2,8} , M.J. Araúz-Bravo ^{9,3} , ¹ Colorado State University, USA, ² Royan Institute for Stem Cell Research and Reproductive Medicine, Iran, ³ Max Planck Institute for Molecular Biomedicine, Germany, ⁴ University of Tehran, Iran, ⁵ The University of Queensland, Australia, ⁶ University of Münster, Germany, ⁷ National Institute of Genetic Engineering and Biotechnology, Iran, ⁸ University of Science and Culture, Iran, ⁹ Basque Foundation for Science, Spain, ¹⁰ Institute for Research in Fundamental Sciences, Iran
[P47]	Comparative epigenomic analysis of newly derived naïve human ES cell lines S.L. Battle, F. Ahmed, J. Hesson, C.B. Ware, R.D. Hawkins*, <i>University of Washington, USA</i>
[P48]	Assessment of genomic and mitochondrial DNA methylation as a tool to distinguish mesenchymal stem cell subtypes M. Barilani* ¹ , V. Parazzi ¹ , E. Ragni ¹ , V. Motta ^{1,2} , L. Dioni ^{1,2} , V. Bollati ^{1,2} , L. Lazzari ¹ , ¹ Fondazione IRCCS Ca' Granda, Italy, ² University of Milan, Italy

[P49]	The variant Polycomb: Repressor Complex 1 component PCGF1 interacts with a pluripotency sub-network that includes DPPA4, a regulator of embryogenesis G. Oliviero*, G. Cagney, <i>Conway Institute, Ireland</i>
[P50]	Grg5: A new player in cell fate commitment K. Chanoumidou* ^{1,2} , J. Papamatheakis ¹ , A. Kretsovali ¹ , ¹ <i>Institute of Molecular Biology and Biotechnology - Foundation for Research and Technology, Greece</i> , ² <i>Democritus University of Thrace, Greece</i>
[P51]	Cas9-Chromatin binding information enables more accurate CRISPR Off-target prediction M. Adli*, R. Singh, <i>University of Virginia, USA</i>
[P52]	Degree of H3K27 methylation influences cell lineage preference in ES cells A.H. Juan* ¹ , S. Wang ¹ , H. Zare ¹ , J. Zou ² , K.D. Ko ¹ , P.F. Tsai ¹ , X. Feng ¹ , R. Pedersen ³ , J. Gurdon ² , V. Sartorelli ¹ , ¹ <i>NIH/NIAMS, USA</i> , ² <i>NIH/NHLBI, UK</i> , ³ <i>Wellcome Trust/Cancer Research UK Gurdon Institute, UK</i> , ⁴ <i>University of Cambridge, UK</i>
[P53]	The Role of m⁶A mRNA methylation in early mammalian development S. Geula ¹ , S. Moshitch-Moshkovitz ² , G. Rechavi ² , N. Novershtern* ¹ , J.H. Hanna ¹ , ¹ <i>Weizmann Institute of Science, Israel</i> , ² <i>Sheba Cancer Research Center, Israel</i>
[P54]	Deterministic restriction of pluripotent state dissolution by cell cycle pathways K.A. Gonzales* ^{1,2} , H. Liang ¹ , H-H. Ng ^{1,2} , ¹ <i>Genome Institute of Singapore, Singapore</i> , ² <i>National University of Singapore, Singapore</i>
[P55]	Subnuclear localization of miRNA gene loci as a potential mechanism of transcriptional regulation C. Stathopoulou* ^{1,2} , E. Salataj ^{1,3} , C.G. Spilianakis ^{1,3} , ¹ <i>Foundation for Research & Technology Hellas, Greece</i> , ² <i>Democritus University of Thrace, Greece</i> , ³ <i>University of Crete, Greece</i>
[P56]	Transcription factor p63 bookmarks and regulates dynamic enhancers during epidermal differentiation E.N. Kouwenhoven ^{1,2} , M. Oti ² , J. Qu* ² , H. Niehues ¹ , S.J. van Heeringen ² , J. Schalkwijk ¹ , H.G. Stunnenberg ² , H. van Bokhoven ¹ , H. Zhou ¹ , ¹ <i>Radboud University Nijmegen, The Netherlands</i> , ² <i>Radboud university medical center, The Netherlands</i>
[P57]	Epithelial mesenchymal transition mediated by methylation and PRC2 promote cancer stemness in bladder cancer M. Martinez-Fernandez* ^{1,2} , M. Dueñas ^{1,2} , A. Feber ³ , C. Segovia ^{1,2} , C. Rubio ^{1,2} , F. Villacampa ² , J. Duarte ² , M.J. Gómez ² , D. Castellano ² , J.L. Rodriguez-Peralto ² , ¹ <i>CIEMAT, Spain</i> , ² <i>Universitary Hospital 12 de Octubre, Spain</i> , ³ <i>UCL Cancer Institute, UK</i>
[P58]	Use of chimeric transcription factors to study reprogramming S. Narayan*, S. Shah, G. Bryant, M. Ptashne, <i>Memorial Sloan Kettering Cancer Center, USA</i>
[P59]	Exploring transmission of information from sensory neurons to the germline in <i>Caenorhabditis elegans</i> by small interfering RNAs F. Munoz Lobato*, A.J. Ablaza, S. Balakrishnan, N.D. L'Etoile, <i>University of California, USA</i>
[P60]	DAPE1, an antisense, long intron-overlapping, non-coding RNA is conserved among amniotes is specifically expressed during embryonic genome activation D. Yunusov* ¹ , L. Anderson ¹ , L.F. Silva ¹ , J. Wysocka ² , R.M. Roberts ³ , S. Verjovski-Almeida ¹ , ¹ <i>Universidade de São Paulo, Brazil</i> , ² <i>Stanford University, USA</i> , ³ <i>University of Missouri, USA</i>
[P61]	Genome wide characterization of histone marks co-occurrence in single molecule resolution A. Weiner*, D. Lara-Astiaso, I. Amit, <i>Weizmann Institute of Science, Israel</i>
[P62]	Generation of Targeted Insertion in the Klf5 Gene of Mouse Myoblasts (C2C12 cells) using CRISPR/Cas9 System D. Akcay*, C. Kocaeffe, <i>Hacettepe University Faculty of Medicine, Turkey</i>
[P63]	A long noncoding RNA cluster demarcates Hox boundary during motor neuron development Y.P. Yen* ^{1,2} , S.P. Lin ² , J.A. Chen ¹ , ¹ <i>Academia Sinica, Taiwan</i> , ² <i>National Taiwan University, Taiwan</i>
[P64]	Negative regulation of the polycomb repressive complex 2 by p53 prevents stem-like properties and metastasis of cancer cells in vitro and in vivo G. Selivanova*, F. Boettger, G. Sanz, S. Darekar, <i>Karolinska Institutet, Sweden</i>
[P65]	Involvement of the CpG-element binding transcription factor Sp1 in calorie restriction-dependent delay in mesenchymal stem cells aging N. Mittal*, A.J. Gruber, L. Tintignac, A. Scherberich, M.A. Ruegg, M. Zavolan, <i>University of Basel, Switzerland</i>
[P66]	Comparative analysis of SOX1 gene expression and regulation in cancerous and normal human cell models A. Ahmad*, S. Strohbuecker, C. Tufarelli, V. Sottile, <i>The University of Nottingham, UK</i>

[P67]	In vitro differentiation of animal derived mesenchymal stem cells (MSCs) into adipocytes A. Kalia*, M. Nair, H.K. Sra, <i>Peoples University Bhopal, India</i>
[P68]	EZ-BP protein involves in the regulation of cell pluripotency via regulating EZH2 targeted gene expression X.M. Lai* ¹ , T.L. Cha ¹ , ¹ <i>National Defense Medical Center, Taiwan</i> , ² <i>Tri-Service General Hospital, Taiwan</i>
[P69]	A novel primate-specific noncoding RNA modulates human embryo- and pluripotent stem cell fate J. Durruthy Durruthy* ¹ , V. Sebastiano ¹ , M. Wossidlo ¹ , D. Cepeda ¹ , J. Cui ² , E.J. Grow ¹ , W. Wong ¹ , J. Wysocka ¹ , K.F. Au ¹ , R.A. Reijo Pera ² , J. Davila ¹ , M. Mall ¹ , ¹ <i>Stanford University, USA</i> , ² <i>Montana State University, USA</i>
[P70]	Chromatin remodeler and special AT-rich binding Satb1 protein regulates epidermal regeneration during wound healing via modulation of cell migration and apoptosis V. Emelianov ¹ , M. Ahmed ¹ , T. Sharova ² , A. Mardaryev ¹ , M. Fessing ¹ , A. Sharov ² , V. Botchkarev* ^{1,2} , ¹ <i>University of Bradford, UK</i> , ² <i>Boston University, USA</i>
[P71]	CHD1 regulates lineage-specific transcription at the level of transcriptional elongation S. Baumgart* ¹ , Z. Najafova ¹ , T. Hossan ¹ , N. Ditzel ² , W. Xie ¹ , V. Kari ¹ , D. Indenbirken ³ , A. Grundhoff ³ , M. Kassem ² , S.A. Johnsen ¹ , ¹ <i>University Medical Center Göttingen, Germany</i> , ² <i>University Hospital of Odense, Denmark</i> , ³ <i>Heinrich-Pette-Institute Hamburg, Germany</i>
[P72]	The MIN-tag: A modular open platform genome engineering strategy for investigating epigenetic processes under physiological conditions C.B. Mulholland* ^{1,2} , H. Leonhardt ^{1,2} , S. Bultmann ^{1,2} , ¹ <i>Ludwig-Maximilians-Universität Munich, Germany</i> , ² <i>Center for Integrated Protein Science Munich, Germany</i>
[P73]	MicroRNA-214 controls skin and hair follicle development by modulating the activity of wnt signalling pathway M. Alam ¹ , M.I. Ahmed ¹ , K. Poterlowicz ¹ , A.A. Sharov ² , A.N. Mardaryev ¹ , N.V. Botchkareva* ¹ , ¹ <i>University of Bradford, UK</i> , ² <i>Boston University, USA</i>
[P74]	Jarid2 co-ordinates Nanog expression and PCP/Wnt signalling required for efficient ESC differentiation and early embryo development D. Landeira* ^{1,2} , H. Bagci ¹ , A.R. Malinowski ¹ , K.E. Brown ¹ , J. Soza-Ried ¹ , A. Feytout ¹ , Z. Webster ¹ , E. Ndjetehe ¹ , I. Cantone ¹ , H.G. Asenjo ² , ¹ <i>Medical Research Council - Imperial College, UK</i> , ² <i>University of Granada, Spain</i> , ³ <i>University of Oxford, UK</i>
[P75]	Gateways to the FANTOM5 promoter level mammalian expression atlas M. Lizio*, J. Harshbarger, <i>RIKEN Center for Life Science Technologies, Japan</i>
[P76]	The function of long intergenic ncRNA in forced neurogenesis and brain development C. Nakajima* ¹ , S. Thakurela ^{1,2} , V.K. Tiwari ^{1,2} , B. Berninger ¹ , ¹ <i>University of Mainz, Germany</i> , ² <i>Institute of Molecular Biology (IMB), Germany</i>
[P77]	The Role of High Mobility Group B2 Protein in Direct Reprogramming T. Lepko* ¹ , M. Götz ^{1,2} , J. Ninkovic ^{1,2} , ¹ <i>Institute of Stem Cell Research, Helmholtz Zentrum München, Germany</i> , ² <i>Ludwig-Maximilians-Universität München, Faculty of Medicine, Department of Physiological Genomics, Germany</i>
[P78]	Genome-wide mapping of hyper-acetylated chromatin with a novel antibody in lung cancer cells L. Handoko* ¹ , M. Lizio ¹ , M. Wakamori ¹ , M. De Hoon ¹ , A. Minoda ¹ , T. Umehara ^{1,2} , ¹ <i>RIKEN CLST, Japan</i> , ² <i>PRESTO, JST, Japan</i>
[P79]	Distinct chromatin states mark stem and differentiated cells in embryonic epidermis Y.T. Shue, S. Silvaraju, C.Y. Lim*, <i>Institute of Medical Biology, Singapore</i>
[P80]	Thrombospondin-1 secreted by human umbilical cord blood-derived mesenchymal stem cell promote synaptic activity in AD transgenic mice model. H. Lim*, W.I. Oh, D.H. Kim, <i>Medi-Post, Republic of Korea</i>
[P81]	LOXL2 Oxidizes Methylated TAF10 and Controls TFIIID-Dependent Genes during Neural Progenitor Differentiation A.I. Iturbide* ¹ , L.P. Pascual ¹ , L.F. Fargas ² , J.C. Cebrià ¹ , B.A. Alsina ² , A.G. García de Herreros ^{1,2} , S.P. Peiró ¹ , ¹ <i>Institut Hospital del Mar d'Investigacions Mèdiques (IMIM), Spain</i> , ² <i>Universitat Pompeu Fabra (UPF), Spain</i>
[P82]	DNA methylation in human blood: Lineage determination and cell fate arrest A. Merkel* ¹ , M. Durran-Ferrera ² , S.C. Heath ¹ , ¹ <i>Centro Nacional de Análisis Genómico (CNAG-CRG), Spain</i> , ² <i>Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), China</i>

[P83]	<p>A pooled shRNA screen identifies <i>rbm15</i>, <i>spen</i> and <i>wtap</i> as novel factors required for Xist RNA mediated silencing H. Coker, B. Moindrot, A. Cerase, O. Masui, A. Grijzenhout, G. Pintacuda, L. Schermelleh, T. Nesterova, N. Brockdorff, <i>University of Oxford, UK</i></p>
[P84]	<p>A DNA and RNA-binding protein modulates TET- mediated 2C-gene regulation in ESCs D. Guallar¹, X. Huang¹, B. Xianju², M. Fidalgo¹, C. Sanchez-Priego¹, J. Ding¹, F. Faiola³, X. Shen², J. Wang¹ ¹<i>Icahn School of Medicine at Mount Sinai, USA</i>, ²<i>Tsinghua University, China</i>, ³<i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China</i></p>
[P85]	<p>Role of long noncoding RNAs in normal hematopoiesis and malignant transformation M.J. Delas, L.R. Sabin¹, E. Dolzhenko³, M. Zhou³, S.R. Knott¹, E. Lee¹, D.R. Kelley⁴, J.L. Rinn⁴, A.D. Smith³, G.J. Hannon¹, ¹<i>Cold Spring Harbor Laboratory, USA</i>, ²<i>University of Cambridge, UK</i>, ³<i>University of Southern California, USA</i>, ⁴<i>Harvard University, USA</i></p>
[P86]	<p>Identification of novel PRC2 associated proteins required for mono-, di- or tri-methylation of H3K27 in ES cells. G. Strebel¹, A. Watson², G. Brien³, G. Oliviero², G. Cagney², A.P. Bracken¹ ¹<i>Trinity College Dublin, Ireland</i>, ²<i>University College Dublin, Ireland</i>, ³<i>Memorial Sloan Kettering Cancer Center, USA</i></p>