

Scientific Programme

Sunday 6th September 2009		Location
13.00 – 18.15	Registration Speaker Preview	Strathblane Hall Harris 1
18.15 – 20.00	Welcome Reception & Opening of the Exhibition	Cromdale Hall/ Strathblane Hall

Monday 7th September 2009		Location
08.00 – 18.15	Registration Speaker Preview	Strathblane Hall Harris 1
08.30 – 08.45	Opening Remarks <i>Matthew Freeman, UK</i>	Pentland
08.45 – 09.30	Plenary 1 <i>Chair: Masatoshi Takeichi, Japan</i> PL-01 Sponsored by Development Patterning transcription and cell shape change in the Drosophila embryo <i>Eric Wieschaus, USA</i>	Pentland
09.30 – 10.15	Plenary 2 <i>Chair: Masatoshi Takeichi, Japan</i> PL-02 Sponsored by Science/AAAS Vernalization - cold-mediated epigenetic regulation of a developmental switch <i>Caroline Dean, UK</i>	Pentland
10.15 – 10.45	Tea/Coffee - Sponsored by Abcam	Cromdale Hall/ Strathblane Hall
10.45 – 13.00	Parallel Symposium 1 – Non-coding RNA in Development <i>Chair: Jonathan Hodgkin, UK</i> S01-01 The diverse roles of small, non coding RNA in plants <i>David Baulcombe, UK</i> S01-02 Regulation of Gene Expression by MicroRNAs in <i>C. elegans</i> <i>Amy Pasquinelli, USA</i> S01-03 miRNAs couple cell cycle, cell fate and developmental timing in retinal histogenesis <i>Federico Cremeri, Italy</i> S01-04 piRNA biogenesis pathways in Drosophila germline cells <i>Mikiko Siomi, Japan</i> S01-05 AICR Lecture MicroRNA Functions <i>Steven Cohen, Singapore</i>	Lomond

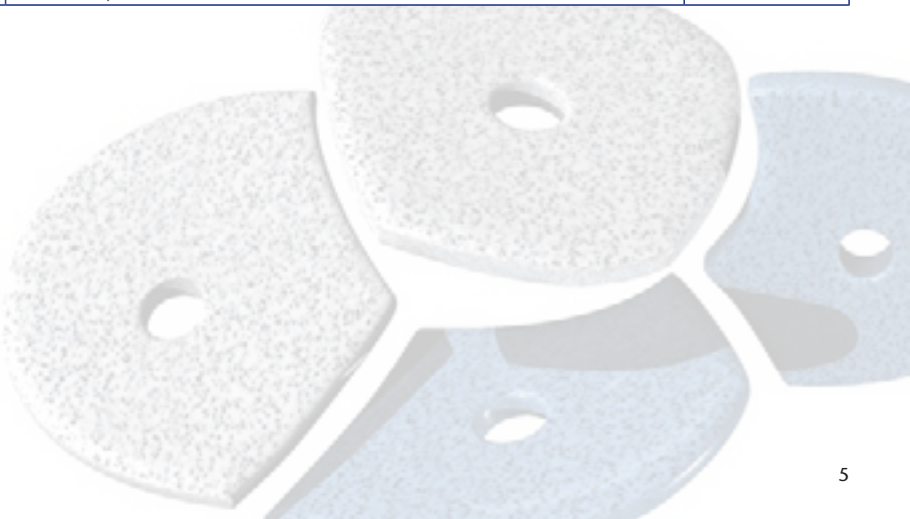
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Monday 7th September 2009 Continued

10.45 – 13.00	<p>Parallel Symposium 2 – Growth Control and Tumours <i>Chair: Tian Xu, USA</i></p> <p>S02-01 Modelling cancer in <i>Drosophila</i>: The junctional neoplastic tumour suppressors, Lgl, Dlg and Scrib, in cell proliferation control and tumourigenesis <i>Helena Richardson, Australia</i></p> <p>S02-02 Mechanisms behind cancer metastasis: from <i>Drosophila</i> to humans and back <i>Maria Dominguez, Spain</i></p> <p>S02-03 Blocking endocytic trafficking affects migration and polarity of melanophores in a zebrafish model of melanoma <i>Maria Minone, Italy</i></p> <p>S02-04 Communicating with Hedgehogs: Signaling in Development & Disease <i>Matt Scott, USA</i></p> <p>S02-05 Targeting tumor suppressor pathways to treat cancer <i>Gerard Evan, USA</i></p>	Fintry
10.45 – 13.00	<p>Parallel Symposium 3 – Mechanisms of Morphogenesis <i>Chair: Ottoline Leyser, UK</i></p> <p>S03-01 Planar cell polarity: Linking developmental regulatory mechanisms to basic cellular machinery during morphogenesis. <i>John Wallingford, USA</i></p> <p>S03-02 From cell mechanics to tissue morphogenesis <i>Thomas Lecuit, France</i></p> <p>S03-03 High resolution live microscopy of cell motility, actin dynamics and cell-cell contacts along embryonic tissue boundaries <i>François Fagotto, Canada</i></p> <p>S03-04 Development of Shape in Plants <i>Enrico Coen, UK</i></p> <p>S03-05 Genetic regulation of gastrulation movements in zebrafish <i>Lilianna Solnica-Krezel, USA</i></p>	Pentland
13.00 – 14.30	Buffet Lunch/Exhibition/Poster Viewing	Cromdale Hall/ Strathblane Hall
13.45 – 14.30	BSDB AGM	Lomond

Monday 7th September 2009 Continued

14.30 – 16.45	<p>Parallel Symposium 4 – Embryonic Induction Sponsored by Developmental Biology <i>Chair: Angela Nieto, Spain</i></p> <p>S04-01 Calfacilitin: a new player in neural induction <i>Claudio Stern, UK</i></p> <p>S04-02 How many ways to make a chordate: comparison of the developmental programmes of ascidians and vertebrates <i>Patrick Lemaire, France</i></p> <p>S04-03 Dynamic patterning of the vertebrate neural tube <i>Ana Ribeiro, UK</i></p> <p>S04-04 Mechanisms regulating differentiation onset in the embryonic axis and ES cells <i>Kate Storey, UK</i></p> <p>S04-05 Inductive signals and transcriptional responses in neuronal fate determination <i>Johan Ericson, Sweden</i></p>	Pentland
14.30 – 16.45	<p>Parallel Symposium 5 – Chromatin and Epigenetics <i>Chair: Sarah Hake, USA</i></p> <p>S05-01 Polycomb repressive complexes are required to maintain compact chromatin structure at Hox loci <i>Wendy Bickmore, UK</i></p> <p>S05-02 Regulation of Gene Imprinting in Arabidopsis <i>Robert Fischer, USA</i></p> <p>S05-03 Epigenetic control of hox genes colinear activation during vertebrate development <i>Natalia Soshnikova, Switzerland</i></p> <p>S05-04 Evolutionary Diversity and Developmental Dynamics of X-chromosome Inactivation <i>Edith Heard, France</i></p> <p>S05-05 Resetting the epigenome beyond pluripotency in the mouse germ line <i>Azim Surani, UK</i></p>	Fintry



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Monday 7th September 2009 Continued

14.30 – 16.45	<p>Parallel Symposium 6 – Morphogenesis and Birth Defects Sponsored by Disease Models & Mechanisms <i>Chair: Andy Copp, UK</i></p> <p>S06-01 Cardiac Transcription Factors in Development and Disease <i>Richard Harvey, Australia</i></p> <p>S06-02 Neural crest and outflow tract development <i>Jonathan Epstein, USA</i></p> <p>S06-03 The zebrafish full-of-fluid mutant identifies a secreted protein essential for lymphangiogenesis in zebrafish and humans <i>Stefan Schulte-Merker, Netherlands</i></p> <p>S06-04 Molecular and developmental insights into the pathogenesis of the SOX9^{y440x} campomelic dysplasia mutation <i>Kathy Cheah, Hong Kong</i></p> <p>S06-05 Judging a book by its cover: how facial morphology may predict underlying molecular pathology <i>Jill Helms, USA</i></p>	Lomond
16.45 – 17.15	<p>Tea/Coffee Sponsored by genesis: The Journal of Genetics and Development</p>	Cromdale Hall/ Strathblane Hall
17.15 – 18.15	<p>BSDB Waddington Medal Lecture <i>Chair: Matthew Freeman, UK</i></p>	Pentland
18.15 – 20.00	Poster Viewing Session 1 (Refreshments provided)	Cromdale Hall/ Strathblane Hall

Tuesday 8th September 2009		Location
08.00 – 18.45	<p>Registration Speaker Preview</p>	Strathblane Hall Harris 1
08.45 – 09.30	<p>Plenary 3 <i>Chair: Guy Tear, UK</i></p> <p>PL-03 Sponsored by Cell Press Signaling pathways in blastocyst lineage development <i>Janet Rossant, Canada</i></p>	Pentland
09.30 – 10.15	<p>Plenary 4 <i>Chair: Guy Tear, UK</i></p> <p>PL-04 Sponsored by BSCB Regulation of self-renewal, proliferation and differentiation in an adult stem cell lineage <i>Margaret Fuller, USA</i></p>	Pentland
10.15 – 10.45	Tea/Coffee	Cromdale Hall/ Strathblane Hall

Tuesday 8th September 2009 Continued

10.45 – 13.00	<p>Parallel Symposium 7 – Asymmetry in Cells Sponsored by BSCB <i>Chair: Liz Smythe, UK</i></p> <p>S07-01 Stem cells in the adult hypothalamus <i>Marysia Placzek, UK</i></p> <p>S07-02 Asymmetric cell division and proliferation control in <i>Drosophila</i> and mouse neural stem cells <i>Jürgen Knoblich, Austria</i></p> <p>S07-03 Asymmetric division in zebrafish neural tube is a non-stochastic event and the neuron results from the daughter that inherits the apical domain <i>Paula Alexandre, UK</i></p> <p>S07-04 Sara endosomes during asymmetric cell division <i>Marcos González-Gaitan, Switzerland</i></p> <p>S07-05 Neural Stem Cell Polarity and Malignant Growth in <i>Drosophila</i> <i>Cayetano González, Spain</i></p>	Fintry
10.45 – 13.00	<p>Parallel Symposium 8 - Organogenesis Funded by the BBSRC as part of the Japan Grant Award Scheme <i>Chair: Liz Jones, UK</i></p> <p>S08-01 Genetic regulation of anterior foregut development and repair <i>Brigid Hogan, USA</i></p> <p>S08-02 Control of branching morphogenesis during kidney development <i>Frank Costantini, USA</i></p> <p>S08-03 Development of land plant rooting structures <i>Liam Dolan, UK</i></p> <p>S08-04 Multiple functions for the zinc finger transcription factor odd skipped related1 in kidney and angioblast development <i>Iain Drummond, USA</i></p> <p>S08-05 Regulation of microtubule organization by xMID is essential for maintaining tissue integrity in <i>Xenopus</i> neural tube closure <i>Makoto Suzuki, Japan</i></p>	Pentland
10.45 – 13.00	<p>Parallel Symposium 9 – Advances in Imaging Technologies Sponsored by Zeiss <i>Chair: Steve Wilson, UK</i></p> <p>S09-01 Imaging the Dynamics of Embryonic Development <i>Scott Fraser, USA</i></p> <p>S09-02 Light sheet based fluorescence microscopes (LSFM, SPIM, DSLM) reduce phototoxic effects by several orders of magnitude <i>Ernst Stelzer, Germany</i></p> <p>S09-03 Tissue Tectonics: Morphogenetic strain rates, cell shape change and intercalation <i>Guy Blanchard, UK</i></p> <p>S09-04 OMX, a New Microscope Platform for Increased Time and Spatial Resolution <i>John Sedat, USA</i></p> <p>S09-05 New fluorescent probes and new perspectives in bioscience <i>Atsushi Miyawaki, Japan</i></p>	Lomond

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Tuesday 8th September 2009 Continued

13.00 – 14.30	Deli Bag Lunch/Exhibition Poster Viewing Session 2	Cromdale Hall/ Strathblane Hall
14.00– 16.50	<p>Workshop on Organogenesis Funded by the BBSRC as part of the Japan Grant Award Scheme <i>Chair: Liz Jones</i></p> <p>Session 1: 14.00 – 15.35 <i>Chair: Paul Krieg, USA</i></p> <p>S08-06 Antagonistic interactions between canonical and non-canonical wnt signals regulate morphogenesis of the embryonic kidney <i>Peter Vize, Canada</i></p> <p>S08-07 In vitro organogenesis in vertebrate development <i>Makoto Asashima, Japan</i></p> <p>S08-08 Proteomic Analysis of Membrane Proteins Expressed Specifically in Pluripotent Mouse Embryonic Stem Cells <i>Atushi Intoh, Japan</i></p> <p>S08-09 Construction and re-construction of the mammalian kidney <i>Jamie Davies, UK</i></p> <p>S08-10 The role of homeodomain transcription factor HNF1B in nephrogenesis <i>Gerhart Ryffel, Germany</i></p> <p>Tea/Coffee Break: 15:35 – 15:50, Cromdale Hall</p> <p>Session 2: 15.50 – 16.50 <i>Chair: Peter Vize, Canada</i></p> <p>S08-11 Regulation of neural tube closure by cell adhesion molecules <i>Naoto Ueno, Japan</i></p> <p>S08-12 The ETS family transcription factor, ETV2, activates a hierarchy of endothelial and myeloid transcription factors <i>Paul Anthony Krieg, USA</i></p> <p>S08-13 Tissue interactions in Drosophila nephrogenesis <i>Helen Skaer, UK</i></p>	Pentland

Tuesday 8th September 2009 Continued

14.30 – 16.30	<p>Graduate Student Symposium <i>Chair: Liz Robertson, UK</i> The BSDB Beddington Medal Lecture</p> <p>GR-01 How to change your fate <i>Katja E. Jaeger, UK</i></p> <p>GR-02 A cross-inhibitory positive feedback mechanism establishes a robust sharp border in the forebrain <i>Shyam Srinivasan, USA</i></p> <p>GR-03 Sonic hedgehog: a new player in temporal control of somite formation <i>Tatiana P. Resende, Portugal</i></p> <p>GR-04 A novel regulatory network of left-right asymmetry establishment in <i>Drosophila melanogaster</i>: Interaction between the unconventional Myosins ID and IC and the adherens junction component DE-cadherin. <i>Astrid G. Petzoldt, France</i></p> <p>GR-05 Essential roles for microRNAs in stem cell maintenance in the early mouse embryo <i>Thomas Spruce, UK</i></p> <p>GR-06 Early alignment of slow muscle cells prior to migration ensures the rapid establishment of a functional larval myotome <i>Jana Koth, UK</i></p>	Fintry
14.30 – 16.30	<p>A Workshop on Publishing <i>Chair: Jane Alfred, Executive Editor of Development</i></p> <p><i>Debbie Sweet - Developmental Cell</i> <i>Claudio Stern – Mechanisms of Development</i> <i>Marianne Bronner Fraser - Developmental Biology</i> <i>Jane Alfred - Development</i> <i>Nathalie Le Bot – Nature Cell Biology</i> <i>Harvey Markovitch - BMJ and publishing ethics</i></p>	Lomond
16.30 – 17.00	Tea/Coffee	Cromdale Hall/ Strathblane Hall
17.00 – 18.45	<p>Parallel Symposium 10 – Asymmetry in Organisms <i>Chair: Ian Jackson, UK</i></p> <p>S10-01 Origin of body axes in the mouse embryo <i>Hiroshi Hamada, Japan</i></p> <p>S10-02 Sponsored by BiomedCentral Left/right asymmetric neuronal fate specification in <i>C.elegans</i> <i>Oliver Hobert, USA</i></p> <p>S10-03 Left/Right Signaling controls Tissue Polarization and Morphogenesis during Zebrafish Heart Tube Formation <i>Salim Abdellilah-Seyfried, Germany</i></p> <p>S10-04 Helical Asymmetry and Regulation of Cortical Microtubule Arrays in Plants <i>Takashi Hashimoto, Japan</i></p> <p>S10-05 Linking organ formation to left-right patterning in the embryonic zebrafish <i>Miguel Concha, Chile</i></p>	Lomond

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Tuesday 8th September 2009 Continued

17.00 – 18.45	<p>Parallel Symposium 11 – Behaviour and Neural Circuits Sponsored by Development <i>Chair: K. VijayRaghavan, India</i></p> <p>S11-01 Neural Circuit Formation in Zebrafish <i>Michael Granato, USA</i></p> <p>S11-02 Activity and signalling in the development of neural morphology and locomotion <i>K Vijayraghavan, India</i></p> <p>S11-03 Serotonergic neurogenesis from a bipotent progenitor pool serves as a model for the coordination of neuronal birth order and identity by intrinsic genetic programs <i>John Jacob, UK</i></p> <p>S11-04 Experience-dependent Circuit Development <i>Hollis Cline, USA</i></p> <p>S11-05 Neural coding of behaviors in <i>C. elegans</i> <i>Ikue Mori, Japan</i></p>	Fintry
17.00 – 18.45	<p>Parallel Symposium 12 – Signalling in Development I <i>Chair: Henry Sun, Taiwan</i></p> <p>S12-01 MicroRNAs and Morphogens <i>Alex Schier, USA</i></p> <p>S12-02 Oxygen-dependent plasticity of the <i>Drosophila</i> tracheal system <i>Pablo Wappner, Argentina</i></p> <p>S12-03 The cytolinker Pigs is a target and a negative regulator of Notch signalling during epithelial somatic cell differentiation in the <i>Drosophila</i> ovary <i>Katja Röper, UK</i></p> <p>S12-04 Cell cycle regulation of a Wnt receptor <i>Christof Niehrs, Germany</i></p> <p>S12-05 TGF-beta signaling: quantitative cues, qualitative outputs <i>Stefano Piccolo, Italy</i></p>	Pentland
19.00 – 19.15	<p>ISDB General Assembly</p>	Pentland
19.15 – 20.15	<p>ISDB Ross Harrison Prize <i>Chair: Masatoshi Takeichi, Japan</i></p>	Pentland

Wednesday 9th September 2009		Location
08.00 – 18.15	Registration Speaker Preview	Strathblane Hall Harris 1
08.45 – 09.30	Plenary 5 <i>Chair: James Briscoe, UK</i> PL-05 Sponsored by Development The Ground State of Pluripotency <i>Austin Smith, UK</i>	Pentland
09.30 – 10.15	Plenary 6 <i>Chair: James Briscoe, UK</i> PL-06 How to generate neurons in the adult mammalian brain - fate determinants of neurogenesis from glia <i>Magdalena Götz, Germany</i>	Pentland
10.15 – 10.45	Tea/Coffee	Cromdale Hall/ Strathblane Hall
10.45 – 13.00	Parallel Symposium 13 – Stem Cells and Medicine Sponsored by Disease Models & Mechanisms <i>Chair: Richard Harvey, Australia</i> S13-02 In Vivo Visualization of Hematopoietic Stem Cell Generation <i>Elaine Dzierzak, The Netherlands</i> S13-04 The vascular wall as a source of stem cells in adult organs <i>Bruno Péault, USA</i> S13-03 HOX transcription factor regulation of adult stem/progenitor cell behavior in response to injury <i>Kimberly Mace, UK</i> S13-05 Harnessing epithelial stem cell potency <i>Yann Barrandon, Switzerland</i> S13-01 Master Heart Progenitor Cells <i>Ken Chien, USA</i>	Pentland
10.45 – 13.00	Parallel Symposium 14 – Darwin and Development – Variation and Selection Sponsored by The Genetics Society <i>Chair: Peter Holland, UK</i> S14-02 Evolution under domestication: examples from maize and other crops <i>John Doebley, USA</i> S14-04 Pecking at the Origin of Vertebrate Diversity: Insights from the Beak of the Finch <i>Arkhat Abzhanov, USA</i> S14-03 From trait to base pairs: Parallel evolution of pelvic reduction in three-spined sticklebacks occurs by repeated deletion of a tissue-specific pelvic enhancer at Pitx1 <i>Yingguang Frank Chan, USA</i> S14-05 Genetic dissection of pollination syndromes in Petunia <i>Cris Kuhlemeier, Switzerland</i> S14-01 Finding Genes Controlling Complex Traits in the Domestic Dog <i>Elaine Ostrander, USA</i>	Lomond

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Wednesday 9th September 2009 Continued

10.45 – 13.00	<p>Parallel Symposium 15 – Cilia in Development and Disease Sponsored by Disease Models & Mechanisms <i>Chair: Cheryll Tickle, UK</i></p> <p>S15-01 Cilia and Hedgehog Signaling in the Mouse Embryo <i>Kathryn Anderson, USA</i></p> <p>S15-02 Developmental mechanisms underlying the formation of directed ciliary flow <i>Chris Kintner, USA</i></p> <p>S15-03 Activation of Wnt/β-catenin signalling in Xenopus embryos and cancer cells by de novo lipogenesis is associated with impaired formation of the primary cilium. <i>Kris Vleminckx, Belgium</i></p> <p>S15-04 Worms with only a single cilium..... per animal <i>Peter Swoboda, Sweden</i></p> <p>S15-05 Cellular antennae: The role of primary cilia in human disease <i>Phillip Beales, UK</i></p>	Fintry
13.00 – 14.30	Deli Bag Lunch/Exhibition/Poster Viewing	Cromdale Hall/ Strathblane Hall
13.15 – 14.15	<p>Nikon UK Lunchtime Satellite Symposium Dkk1 and Eye: Patterning the Zebrafish Retina <i>Joao Peres, UK</i></p> <p>CLEM - The Technology behind the Application <i>Erik Manders, The Netherlands</i></p> <p>Nikon's Live Cell Solutions <i>Maarten Balzar, The Netherlands</i></p>	Lomond
14.30 – 16.45	<p>Parallel Symposium 16 – Stem Cells and Pluripotency Sponsored by UKNSCN <i>Chair: Josh Brickman, UK</i></p> <p>S16-01 Architecture from Stem Cell Centred Feedback Networks <i>Ben Scheres, The Netherlands</i></p> <p>S16-02 In Vivo Epithelial-to-Neuron Reprogramming in <i>C. elegans</i> <i>Sophie Jarriault, France</i></p> <p>S16-03 Live imaging reveals that definitive haematopoietic stem cells emerge directly from haemogenic endothelial cells in zebrafish embryos <i>Maria Vega Flores, New Zealand</i></p> <p>S16-04 Transcription factor network governing pluripotency <i>Hitoshi Niwa, Japan</i></p> <p>S16-05 Conserved Function of STAT3 in Mouse and Rat Embryonic Stem Cell Self-Renewal <i>Qi-Long Ying, USA</i></p>	Pentland

Wednesday 9th September 2009 Continued

14.30 – 16.45	<p>Parallel Symposium 17 - Darwin and Development – Patterns and Perspectives Sponsored by The Genetics Society <i>Chair: Phil Donoghue, UK</i></p> <p>S17-01 The Evolution of Early Embryonic Patterning and Segmentation in Arthropods <i>Michael Akam, UK</i></p> <p>S17-02 Development and the most unexpected nature of evolutionary modifications <i>Jukka Jernvall, Finland</i></p> <p>S17-03 Differences in the wing and hindlimb transcriptomes of the Natal long-fingered bat, <i>Miniopterus natalensis</i>, during embryonic development <i>Nicola Illing, South Africa</i></p> <p>S17-04 Acoel flatworms and the origin of bilaterian animals <i>Pedro Martinez, Spain</i></p> <p>S17-05 Embryos and ancestors <i>Phil Donoghue, UK</i></p>	Lomond
14.30 – 16.45	<p>Parallel Symposium 18 – Modelling and Networks Sponsored by Development <i>Chair: Mike Taylor, UK</i></p> <p>S18-01 Scaling of morphogen gradients during embryonic development <i>Naama Barkai, Israel</i></p> <p>S18-02 Inferring Molecular Networks <i>Jing-Dong Jackie Han, China</i></p> <p>S18-03 Shaping the early amniote embryo: an object-oriented model based on defined cell behaviours <i>Octavian Voiculescu, UK</i></p> <p>S18-04 Synchronization of oscillating cells during embryogenesis <i>Andrew Oates, Germany</i></p> <p>S18-05 Exploring the space of possibilities: gene networks for multicellular pattern formation <i>James Sharpe, Spain</i></p>	Fintry
16.45 – 17.15	Tea/Coffee	Cromdale Hall/ Strathblane Hall
17.15 – 18.15	<p>Plenary 7 <i>Chair: Denis Duboule, Switzerland</i></p> <p>PL-07 Sponsored by The Genetics Society Endless Flies Most Beautiful: Cis-Regulatory Sequences and the Evolution of Animal Form <i>Sean Carroll, USA</i></p>	Pentland
18.15 – 20.00	Poster Viewing Session 3 (Refreshments provided)	Cromdale Hall/ Strathblane Hall
20.00	Coaches depart EICC	
20.30 – Midnight	Conference Dinner – Dynamic Earth (Ticket holders only)	Dynamic Earth

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Thursday 10th September 2009		Location
09.00 – 15.45	Registration Speaker Preview	Strathblane Hall Harris 1
09.30 – 10.15	Plenary 8 <i>Chair: Nancy Papalopulu, UK</i> PL-08 - Sponsored by Disease Models & Mechanisms Enhancing mammalian regeneration <i>Nadia Rosenthal, Australia</i>	Pentland
10.15 – 10.45	Tea/Coffee	Cromdale Hall/ Strathblane Hall
10.45 – 13.00	Parallel Symposium 19 – Regeneration <i>Chair: Jeremy Brockes, UK</i> S19-01 Planarians, stem cells, and regeneration <i>Alejandro Sánchez Alvarado, USA</i> S19-02 Unravelling the cellular and molecular basis of salamander limb and tail regeneration <i>Ely Tanaka, Germany</i> S19-03 Sodium Transport is Necessary and Sufficient for Appendage Regeneration <i>Kelly Ai-Sun Tseng, USA</i> S19-04 Cardiac regeneration in the zebrafish model system <i>Ken Poss, USA</i> S19-05 Regulation of muscle stem cell fate by Pax genes <i>Margaret Buckingham, France</i>	Fintry
10.45 – 13.00	Parallel Symposium 20 – Cell Migration Sponsored by Mechanisms of Development <i>Chair: Helen Skaer, UK</i> S20-01 Germ cell migration in zebrafish <i>Erez Raz, Germany</i> S20-02 Collective migration of border cells in Drosophila <i>Pernille Rørth, Singapore</i> S20-03 A new effector, the Matrix-Metalloproteinase MMP9, is essential for Neural Crest onset of migration <i>Dalit Sela-Donenfeld, Israel</i> S20-04 Mechanisms of neuronal migration in the developing cerebral cortex <i>Oscar Marín, Spain</i> S20-05 Dissecting the role of extrinsic and intrinsic cues in coordinating collective cell migration <i>Darren Gilmour, Germany</i>	Lomond
10.45 – 13.00	Parallel Symposium 21 – Signalling in Development II <i>Chair: Liz Robertson</i> S21-01 Tension and mechanotransduction in embryonic morphogenesis <i>Michel Labouesse, France</i> S21-02 Regulation of TGF-beta signalling by Dapper2 in vertebrate development <i>Anming Meng, China</i> S21-03 The Hippo signaling pathway components Lats and Yap pattern Tead4 activity to distinguish mouse trophectoderm from inner cell mass <i>Hiroshi Sasaki, Japan</i> S21-04 Sponsored by SDB Gene regulatory network underlying neural crest formation <i>Marianne Bronner-Fraser, USA</i> S21-05 Sponsored by Tecniplast Hedgehog signalling and cell diversity in the zebrafish myotome <i>Philip Ingham, Singapore</i>	Pentland

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Thursday 10th September 2009 Continued

13.00 – 14.00	Buffet Lunch/Exhibition/Poster Viewing	Cromdale Hall Strathblane Hall
14.00 – 14.45	Plenary 9 <i>Chair: Matthew Freeman, UK</i> PL-09 Scales and Stripes: Genetic analysis of the development of adult structures in the Zebrafish <i>Christiane Nüsslein-Volhard, Germany</i>	Pentland
14.45 – 15.30	Plenary 10 <i>Chair: Matthew Freeman, UK</i> PL-10 Sponsored by Wyeth Morphogenesis through the regulation of adherens junction <i>Masatoshi Takeichi, Japan</i>	Pentland
15.30 – 15.45	Closing Remarks <i>Matthew Freeman, UK</i> <i>Masatoshi Takeichi, Japan</i>	Pentland