



# *BSDB Autumn Meeting 2010*

British Society for Developmental Biology

## *Development of Sensory Systems*

Detlev Arendt (Heidelberg)  
Clare Baker (Cambridge)  
Linda Barlow (Colorado)  
Jo Begbie (Oxford)  
Patrik Ernfors (Stockholm)  
Anthony Graham (London)  
Andy Groves (Houston)  
Bill Harris (Cambridge)  
Thomas Hummel (Munich)  
Andrew Jarman (Edinburgh)  
Ilona Kadow (Munich)  
Robert Kelsh (Bath)  
Lucia Manni (Padova)  
Adrian Moore (Tokyo)  
Filippo Rijli (Basel)  
Jane Sowden (London)  
Angelika Stollewerk (London)  
Tanya Whitfield (Sheffield)  
Darren Williams (London)

*Organizers: Jo Begbie, Anthony Graham  
and Darren Williams*



*Bill Harris*

*7-9<sup>th</sup> September 2010*  
*St Anne's College, Oxford*  
website: <http://tinyurl.com/y9f9ffh>

**BSDB Autumn Meeting - Development of Sensory Systems**  
**St Anne's College, Oxford**  
**7<sup>th</sup> – 9<sup>th</sup> September, 2010**

Tuesday 7 <sup>th</sup> September		
12:00		Registration Opens – <i>Foyer, Ruth Deech Building</i>
13:00 – 14:00		Buffet Lunch – <i>Dining Hall</i>
14:00 – 15:45		<i>Tsuzuki Lecture Theatre</i>
14:00 – 14:35	<b>S1</b>	<b>Neurogenesis and subtype specification in the sensory lineage</b> Patrick Ernfors - Karolinska Institute
14:35 – 15:10	<b>S2</b>	<b>A “sixth sense”: the development of vertebrate electroreceptors</b> Claire Baker - University of Cambridge
15:10 – 15:45	<b>S3</b>	<b>Bridging the gap between proneural factors and sensory neuronal differentiation in <i>Drosophila</i></b> Andrew Jarman - University of Edinburgh
15:45 – 16:15		Tea, coffee and poster viewing – <i>Foyer/Seminar Room 7</i>
16:15 – 17:25		<i>Tsuzuki Lecture Theatre</i>
16:15 – 16:50	<b>S4</b>	<b>Using the <i>Drosophila</i> sensory system to uncover neurite self-destruction programs</b> Darren Williams - King's College, London
16:50 – 17:05	<b>O1</b>	<b>FGFR1 functions in inner ear hair cell morphogenesis and function</b> R K Lader – RIKEN CDB, Japan
17:05 – 17:20	<b>O2</b>	<b>Genetic and molecular dissection of axonal branching mechanisms</b> D Ayaz - VIB, Leuven, Belgium
17:30 – 19:30		Poster session and drinks – <i>Seminar Room 7</i>
19:30 – 21:00		Dinner – <i>Dining Hall</i>
Wednesday 8 <sup>th</sup> September		
08:00 – 09:00		Breakfast - <i>Dining Hall</i>
08:30		Registration opens – <i>Foyer, Ruth Deech Building</i>
09:00 – 10:45		<i>Tsuzuki Lecture Theatre</i>
09:00 – 09:35	<b>S5</b>	<b>Towards retinal stem cell therapy: Generation of new cone and rod photoreceptors in the adult retina by transplantation of precursor cells</b> Jane Sowden - University College London
09:35 – 10:10	<b>S6</b>	<b>The evolution of arthropod sense organs – conserved genes, different functions</b> Angelika Stollewerk - Queen Mary University, London
10:10 – 10:45	<b>S7</b>	<b>The roles of BMP and Notch signals in patterning the developing cochlea</b> Andy Groves - Baylor College of Medicine, Houston
10:45 – 11:15		Tea, coffee, posters and exhibition viewing – <i>Foyer/Seminar Room 7</i>
11:15 – 12:25		<i>Tsuzuki Lecture Theatre</i>
11:15 – 11:50	<b>S8</b>	<b>Hair cell evolution in Chordates</b> Lucia Manni - University of Padova
11:50 – 12:25	<b>S9</b>	<b>Sox10 contributes to the balance of fate choice in dorsal root ganglion progenitors</b> Robert Kelsh - University of Bath
12:25 – 13:30		Lunch - <i>Dining Hall</i>

Wednesday 8 <sup>th</sup> September Continued/....		
<b>13:30 – 15:15</b>		<i>Tsuzuki Lecture Theatre</i>
13:30 – 14:05	<b>S10</b>	<b>PRDM proto-oncogene control of olfactory sensory neurogenesis</b> Adrian Moore - RIKEN Brain Science Institute, Japan
14:05 – 14:40	<b>S11</b>	<b>Semicircular canal formation in the zebrafish inner ear requires the function of <i>lauscher</i>, an adhesion class G protein-coupled receptor gene</b> Tanya Whitfield - University of Sheffield
14:40 – 15:15	<b>S12</b>	<b>From epibranchial placode to ganglion: neurogenesis and migration</b> Jo Begbie - University of Oxford
<b>15:15 – 15:45</b>		Tea, coffee, posters and exhibition viewing – <i>Foyer/Seminar Room 7</i>
<b>15:45 – 16:55</b>		<i>Tsuzuki Lecture Theatre</i>
15:45 – 16:20	<b>S13</b>	<b>CO<sub>2</sub> sensory circuit formation in <i>Drosophila</i></b> Ilona Grunwald-Kadow - MPI, Martinsried, Germany
16:20 – 16:35	<b>O3</b>	<b>Different roles of BMP activity during specification and patterning of the lens and olfactory epithelium</b> L Gunhaga – Umea University
16:35 – 16:50	<b>O4</b>	<b>How is the transition from proliferation to cell cycle exit and neurogenesis regulated in the zebrafish retinal stem cell niche?</b> K L Cervený – University College London
<b>19:30 – 21:00</b>		Conference Dinner - Dining Hall
Thursday 9 <sup>th</sup> September		
<b>08:00 – 09:00</b>		Breakfast - <i>Dining Hall</i>
<b>08:30</b>		Registration opens - <i>Foyer, Ruth Deech Building</i>
<b>09:00 – 10:45</b>		<i>Tsuzuki Lecture Theatre</i>
09:00 – 09:35	<b>S14</b>	<b>The evolution of sensory integrative brain centres in Bilateria</b> Detlev Arendt - EMBL, Heidelberg, Germany
09:35 – 10:10	<b>S15</b>	<b>Molecular mechanisms of whisker-to-barrel topographic map formation in the mouse trigeminal brainstem</b> Filippo Rijli - FMI, Basel, Switzerland
10:10 – 10:45	<b>S16</b>	<b>Olfactory Map Formation in <i>Drosophila</i></b> Thomas Hummel - University of Muenster, Germany
<b>10:45 – 11:15</b>		Tea, coffee and poster viewing – <i>Foyer/Seminar Room 7</i>
<b>11:15 – 12:25</b>		<i>Tsuzuki Lecture Theatre</i>
11:15 – 11:50	<b>S17</b>	<b>Molecular genetic dissection of Wnt/<math>\beta</math>-catenin function in the development of mammalian taste buds</b> Linda Barlow - University Colorado, USA
11:50 – 12:25	<b>S18</b>	<b>Development of the Frog and Fish Vertebrate Retina</b> Bill Harris, University of Cambridge
<b>12:30</b>		Conference concludes and delegates depart