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46th annual meeting organizing committee

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The 46th Annual Meeting for the Japanese Society of Developmental Biologists (cosponsor: the Asia-Pacific Developmental Biology Network)

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News

- 2013/02/19 Abstract submission has been closed.
- 2012/11/27 Updated Tentative Program
- 2012/10/04 Updated Registration
- 2012/08/08 Updated Welcome Messages
- 2012/07/24 Updated Tentative Program
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PDBN

ISDB International Society of Developmental Biologists

The Union of Japanese Societies for Biological Science
生物科学学会連合

46th Annual Meeting for the Japanese Society of Developmental Biologists
cosponsor: the Asia-Pacific Developmental Biology Network
第46回日本発生生物学会
2013年5月28日(水)~31日(土)
会場: 島根県立大学 (島根県松江市)
〒692-8501 島根県松江市大森町1-1
電話: 0854-320-1111
http://www.jsdb.jp/kaisai/jsdb2013

Dates: May 28 (Tue) - May 31 (Fri), 2013
Site: Kunibiki Messe (Matsue, Shimane)
Chairperson: Takashi Matsuzaki (Shimane University)
Language: May 28 (in Japanese)
May 29-31 (in English)

Abstract submission has been closed.

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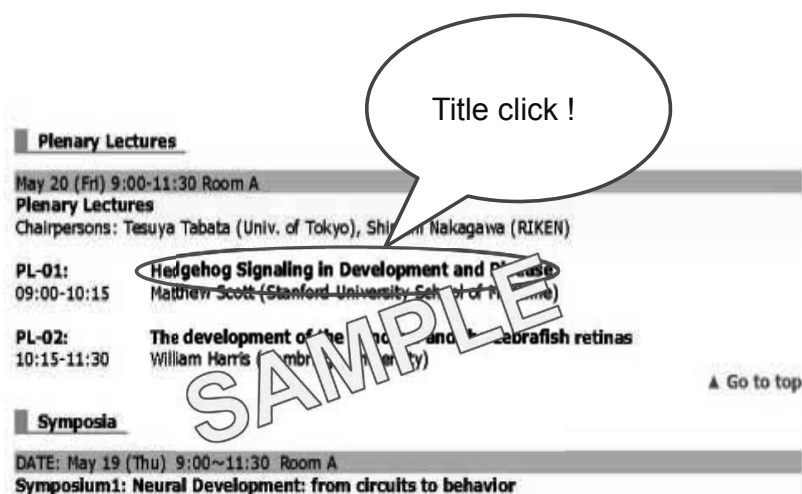
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Plenary Lectures

May 20 (Fri) 9:00-11:30 Room A
Plenary Lectures
Chairpersons: Tesuya Tabata (Univ. of Tokyo), Shiro Nakagawa (RIKEN)

PL-01: **Hedgehog Signaling in Development and P...**
09:00-10:15 Matthew Scott (Stanford University School of Medicine)

PL-02: **The development of the rod and cone photoreceptor retinas in zebrafish**
10:15-11:30 William Harris (University of Cambridge)

Symposia

DATE: May 19 (Thu) 9:00~11:30 Room A
Symposium1: Neural Development: from circuits to behavior

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[PL-01]

Hedgehog Signaling in Development and Disease

*Matthew Scott
(Stanford University School of Medicine)

The development of numerous tissues and organs depends on Hedgehog (Hh) protein signals that influence gene expression in target cells. Defective Hh signaling leads to birth defects and cancer. We are investigating Hh signal transduction and gene expression mechanisms in the context of cultured fibroblasts and cerebellum development. The Hh signaling pathway involves the formation of the Hh protein signal transduction organelle, the primary cilium, which functions as a Hh signal transduction organelle. Primary cilia are found in most cells, have been implicated in several human diseases, and have been shown to be essential for Hh signaling. We have found that Hh signaling is required for the development of the primary cilium, and that Hh signaling is required for the development of the primary cilium. We are exploring the mechanisms of protein trafficking and target gene activation in the primary cilium. We are also exploring the mechanisms of Hh signaling in the primary cilium. We are characterizing direct Hh target genes in responsive cerebellum granule neuron precursors and in the medulloblastoma tumors that arise from the precursors when Ptc function is reduced.

Signaling in development

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