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50th annual meeting organizing committee

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Annual Meeting of the
Japanese Society of Developmental Biologists 50th
Cospponsored by Asia-Pacific Developmental Biology Network

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Date	May 10-13, 2017
Venue	Tower Hall Funabori (in Japanese)
President	Naoto Ueno (JSDB President)
Language	May 10 (in Japanese and English) May 11-12 (in English)

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Important Dates
Registration and submission of abstracts start: January 5 (Thu), 2017
Abstract submission deadline: ~~January 16 (Mon)~~ January 23 (Mon), 2017 (Japan Time 18:00)
Pre-Registration deadline: April 7(Fri), 2017

Annual Meeting of the Japanese Society of Developmental Biologists 50th
May 10-13, 2017
TOWER HALL FUNABORI
We celebrate 50th Anniversary

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Plenary Lectures

May 20 (Fri) 9:00-11:30 Room A

Plenary Lectures

Chairpersons: Tesuya Tabata (Univ. of Tokyo), Shinya Yamanaka (RIKEN)

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

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

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Symposia

DATE: May 18 (Thu) 9:00-11:30 Room A

SAMPLE

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44th Annual Meeting of JSDB

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375-012

Hedgehog Signaling in Development and Disease

Matthew Scott
(Stanford University School of Medicine)

The development of numerous tissues and organs depends on Hedgehog (Hh) signaling, which influences gene expression in target cells. Defective Hh signaling can lead to developmental defects and disease. We are investigating Hh signal transduction and its role in embryonic development, cancer, and disease. The Hh protein signal has many effects on target cells, including the induction of gene expression. Hh signaling is implicated in several developmental processes, including the formation of the neural tube, the gut, and the heart. Hh signaling is also involved in the regulation of stem cell self-renewal and differentiation. In the context of cancer, Hh signaling is often overactive, leading to uncontrolled cell growth and tumor formation. We are studying the mechanisms of Hh signaling and its role in development and disease. Our research includes the identification of Hh target genes and the characterization of Hh signaling pathways. We are also investigating the role of Hh signaling in the regulation of gene expression and the development of signaling molecules. Our research is focused on understanding the molecular mechanisms of Hh signaling and its role in development and disease. We are using a combination of genetic, biochemical, and molecular biology approaches to study Hh signaling. Our research is supported by the National Institutes of Health and other funding agencies.

Signaling in development

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