S5-2 (Room Great Hall East) Symposium: Movers and Shakers: The Evolution and Development of Mesoderm

08:30 S5-2.1 DUBOC, V., RÖTTINGER, E., LAPRAZ, F., BESNARDEAU, L., LEPAGE, T.; Role of Nodal in establishment of sea urchin larva body plan
09:00 S5-2.2 HINMAN, Veronica, F, DAVIDSON, Eric, H; Evolution of Mesoderm Specification in Echinoderms: Gene Regulatory Network Architectural Reorganization Across Immense Periods of Evolutionary Time
09:30 S5-2.3 (DEDB) DAVIDSON, Brad; Ascidian mesoderm specification and the emergence of the chordate body plan
10:30 S5-2.4 XAVIER-NETO, Jose, SIMôES-COSTA, Marcos S: The evolutionary origins of cardiac chambers
11:00 S5-2.5 (DEDB) SHOOK, David, KELLER, Ray; Evolution of Vertebrate Mesoderm Morphogenesis
11:30 S5-2.6 HEASMAN , Janet , TAO, Qinghua , YOKOTA, Chika , KOFRON , Matt, LIN, Xinhua ; The canonical Wnt pathway and axis formation in Xenopus laevis

S6-2 (Room Emerald) Symposium: Recent Developments in Neurobiology

08:00 S6-2.1B (DNB) CAIN, Shaun D., CHRISTIE, Andrew E.; Distribution of NOS-like immunoreactivity within the Nudibranchia
08:00 S6-2.1 (DNB) MURRAY, JA; Advances in the neural bases of orientation & navigation
09:00 S6-2.2B TUBLITZ, NJ; Mechanisms underlying peptide mediated neuroplasticity: A spineless approach in moths, flies and cephalopods.
10:30 S6-2.3B LOWE, CJ, ARONOWICZ, J, TERASAKI, M, KIRSHNER, M, GERHART, J; Hemichordate development and the evolution of chordate nervous system
10:30 S6-2.3 ARONOWICZ, J., LOWE, C.J.; The midbrain-hindbrain gene expression profile in Saccoglossus kowalewskii

S7-1 (Room Great Hall West) Symposium: Metamorphosis: A Multi-Kingdom Approach

08:00 S7-1.1 (DEDB) BISHOP, C.D., PECHENIK, J, HADFIELD, M.G.; Metamorphosis: under stimulatory or inhibitory control?
08:30 S7-1.2 DEGNAN, S.M., DEGNAN, B.M.; The origin of the metazoan biphasic life cycle: new insights
from an ancient phylum.

09:00 S7-1.3 HE, Y, TANG, R, HAO, Y, STEVENS, R.
D., PEI, Z-M; Nitric Oxide Represses Arabidopsis
Flowering

09:30 S7-1.4 GEORGIOU, C.D.; Sclerotial morphogenesis
in fungi is induced by oxidative stress

10:30 S7-1.5 SANTELICES, B., ALVARADO, J.L.;
Applying the concept of metamorphosis to the
crustose-to-erect thallus transition of macroalgae

11:00 S7-1.6 HODIN, Jason; Expanding networks: a
hypothesis for the evolution of metamorphosis

S8-1 (Room Scotland A) Symposium: Genomic and
Proteomic Approaches in Crustacean Biology

13:00 S8-1.1 CHAPMAN, Robert, JENNY, Matt;
EcoGenomics: analysis of complex systems

13:30 S8-1.2 COLBOURNE, J.K., LINDQUIST, E.,
BAUER, D., BROKSTEIN, P., THOMAS, W.K.,
ANDREWS, J.; Gene discovery in *Daphnia* by expressed
sequence tag sequencing

14:00 S8-1.3 (DCPB) TOWLE, David W.; Functional
Genomics of Environmental Adaptations in Marine
Crustaceans

14:30 S8-1.4 (DCPB) STILLMAN, Jonathon H,
TERANISHI, Kristen S; Transcriptome changes during
thermal acclimation, acclimatization, and stress in porcelain
crabs

S9-1 (Room Scotland B) Symposium: EcoPhysiology
and Conservation: The Contributions of Energetics

13:00 S9-1.1 GOLDSTEIN, J. L., HEPPELL, S.,
BRAULT, S., LUTCAVAGE, M. E.; Reproductive Status
and Body Condition of Atlantic Bluefin Tuna in the Gulf of
Maine, 2000-02: Conservation Implications