

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

The Brain: Adaptation and Maladaptation in Chronic Pain (E3)

June 15-20, 2014 • Keystone Resort • Keystone, Colorado, USA

Scientific Organizers: Frank Porreca, David Borsook and David W. Dodick

Supported by the Directors' Fund

Abstract & Scholarship Deadline: February 13, 2014 / Abstract Deadline: March 13, 2014 / Discounted Registration Deadline: April 15, 2014

SUNDAY, JUNE 15

MONDAY, JUNE 16

Keynote Address

Speaker to be Announced

Plasticity of Brain Neurons, Glia and Other Processes

Speaker to be Announced

Manuel Graeber, University of Sydney, Australia
What is Neuroinflammation?

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

New Technologies to Image the Human Brain Structure and Function

Van J. Wedeen[†], Massachusetts General Hospital, Harvard Medical School, USA
The Connectome

Irene Tracey, University of Oxford, UK
Imaging Pain

Richard Hargreaves, Merck, USA
Imaging Disease and Therapy in Migraine

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, JUNE 17

Keynote Address

Howard L. Fields, University of California, San Francisco, USA
Mesolimbic Circuits: Where Pain and Pleasure Interact

Dissecting Basic Brain Circuits Involved in Pain Behaviors

Antonio R. Damasio[†], University of Southern California, USA
Insular Cortex

Mark A. Tommerdahl, University of North Carolina, USA
Role of the Primary Somatosensory Cortex in Pain

Okhide Hikosaka[†], NEI, National Institutes of Health, USA
Habenula and Neural Processing

Short Talk(s) Chosen from Abstracts

Preclinical to Clinical Evaluation of Pain - Garnering a Better Approximation to the Human Condition

Volker Neugebauer[†], University of Texas Medical Branch, USA
Fronto-Amygdala Circuits

Frank Porreca, University of Arizona, USA
Reward Circuits and Pain

Speaker to be Announced

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, JUNE 18

Keynote Address

Speaker to be Announced

Pain in Neurological Disease States

Speaker to be Announced

David W. Dodick, Mayo Clinic, USA
Migraine and Altered Brain State

A. Vania Apkarian, Northwestern University, USA
Chronic Pain, Hippocampus, Memory, Cognition

Short Talk(s) Chosen from Abstracts

Altered Processing of Pain

Herta Flor[†], Ruprecht-Karls-University of Heidelberg, Germany
Peripheral Inputs and Central Changes

Jon Levine, University of California, San Francisco, USA
Mirror Mirror On the Wall Who is the Sexiest of Them All

Rami Burstein, Harvard Medical School, USA
Light Alters Hypothalamic and Thalamic Functions During Migraine

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, JUNE 19

Keynote Address

Fabrizio Benedetti, University of Turin, Italy
Placebos, Words and Drugs: What's the Difference?

The Brain and Self-Trickery in Pain and Analgesia

Tor D. Wager, University of Colorado at Boulder, USA
Neuroimaging of the Generation and Regulation of Pain

Giandomenico Iannetti[†], University College London, UK
Pain and Perception

Jon-Kar Zubieta[†], University of Michigan, USA
Opioid Circuits and Pain

Short Talk(s) Chosen from Abstracts

The Brain in Development

Maria Fitzgerald, University College London, UK
The Young Brain Becomes the Older Brain

Stephen B. McMahon, King's College London, UK
Pain Genetics and Epigenetics

P. Ellen Grant, Children's Hospital, Boston, USA
Human Brain Measures in Development

Short Talk Chosen from Abstracts

FRIDAY, JUNE 20