SS 04: Current Concepts, Methods and Progress in Pain Genetics Research

The day will be broadly split into two sections, a morning educational primer session and an afternoon session emphasizing recent findings in the field. The earlier educational session will consist of an introduction to Genetics in Pain Research, including - current concepts, methods, clinical implications, basic science and industrial direction, and future research avenues. Questions will be taken from the audience for the education panel. The later session will focus on current results in the field of Genetics and Pain and will include presentations from leading researchers within our field. The goal for this session is to obtain an update on the field's cutting-edge research. Following key note talks, a break out discussion will be held with all of the speakers where the audience can ask questions and comment on what was presented and on future directions. The intended audience includes basic scientists, industry researchers, clinical researchers, clinicians and healthcare workers who wish to be introduced to, brush up on, engage in current research and development, or understand potential applications to clinical practice of current topics related to Genetics and Pain.

Please do not hesitate to contact us for further information:

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Program

**Primer Session (Introduction to Current Concepts and Methods)**

9.30-10.00 Michael Costigan: Animal Genetics to Human genetics
10.00-10.15 Break
10.45-11.15 Luda Diatchenko: Human Association Studies in Pain II (Current Results)
11.15-11.45 Roy Levitt: Human Association Studies in Pain III (Translation to Therapy)
11.45-12-15 Panel discussion with audience

12.15-1.00 Lunch

**Progress in Pain Genetics Research: (Recent Examples of Leading Research)**

1.00-2.00 Mike Salter: P2X7 in Chronic Pain Sensitivity
2.00-3.00 Bill Maixner: Results of OPPERA Phase I
3.00-3.15 Break
3.15-4.15 Christopher Nielsen: Twin Studies and Pain Genetics
4.15-5.15 Steve McMahon: Whole Genome Sequencing Twin Studies