

# 17<sup>th</sup> International Symposium on Neural Regeneration

Nov. 27-Dec 1, 2017

Asilomar Conference Grounds- Pacific Grove, CA

## Monday: November 27, 2017

### Session 1: Welcome and Opening Keynote

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6:30PM **Keynote Speaker:** Frank Bradke (Bonn, Germany) – *“Mechanisms of Axon Growth and Regeneration”*

## Tuesday: November 28, 2017

### Session 2: Axon regeneration - dynamics of dendritic or axonal mRNA translocation and protein synthesis [Chair: Os Steward – UC, Irvine]

8:15AM *Chair Introductions and Session Overview*

8:30AM Os Steward

9:00AM Jeff Twiss

9:30AM Kimberly Raab-Graham

10:00AM Christine Beattie

10:30AM *Coffee Break*

11:00AM **Featured Speaker** – Michael McAlpine - *“3D Printed Neural Regeneration Devices”*

12:00PM *Lunch*

1:00PM **Featured Speaker** – Yuh Nung Jan – *“Mechanisms of axon and dendrite regeneration”*

2:00PM **Data Blitz - Introduction to Posters (Session 1)**

3:00–5:00PM **Poster Viewing/Judging (Session 1)**

6:00PM *Dinner*

### Session 3: Genetic dissection of axonal regeneration and degeneration

[Chair: Michael Granato – UPenn]

7:15PM *Chair Introductions and Session Overview*

7:30PM Michael Granato

8:00PM Marc Hammarland

8:30PM Ken Poss

9:00PM Aaron DiAntonio

## Wednesday – November 29, 2017

### Session 4: Young investigators improving spinal cord repair

[Chair: John Gensel – Univ Kentucky]

8:15AM *Chair Introductions and Session Overview*

8:30AM Cedric Geoffroy

8:45AM Megan Detloff

9:00AM Jessica Lerch

9:15AM Athanasios (Thanos) Didangelos

9:30AM Antje Kroner-Milsch

9:45AM Edmund Hollis

10:30AM *Break*  
11:00AM **Featured Speaker:** Kelly Monk – *“Glia in peripheral nerve injury and repair”*  
12:00PM-5:00PM *Free*  
6:00PM *Dinner*  
**Session 5:** Exercise as a therapy for SCI: How to successfully move physical training from animal models to clinical implementation

7:15PM **Panel Discussion**

**Panel discussants:** Karim Fouad (Univ Alberta), John Houle (Drexel Univ), David Magnuson (Univ Louisville), Michele Basso (Ohio State), Jan Schwab (Ohio State), Kim Anderson (Univ Miami), Kristine Cowley (Univ Manitoba)

**Moderator:** Gordon Mitchell (Univ Florida)

## Thursday – November 30, 2017

**Session 6:** White matter plasticity and motor learning [Chair: D. Michele Basso – Ohio State]

8:15AM *Chair Introductions and Session Overview*

8:30AM Lara Boyd

9:00AM Dana McTigue

9:30AM Bill Richardson

10:00AM Doug Fields

10:30AM *Break*

11:00AM **Featured Speaker:** Linda Hsieh-Wilson

12:00PM *Lunch*

1:00PM **Data Blitz: Introduction to Posters (Session 2)**

2:00-4:00PM **Poster Viewing/Judging (Session 2)**

**Session 7:** Emerging Topics and Closing Keynote

4:00PM **Emerging Topics:** Matthew Rasband (Baylor) – *“The functional organization of axons in neural repair and regeneration”*

5:00PM **Closing Keynote Speaker:** Kristian Franze (Univ Cambridge) - *“The mechanical control of neuronal regeneration”*

7:00-9:00PM **Symposium Banquet & Awards Presentation**

## Friday – December 1, 2017

Departure