

## Myofilament Meeting May 18-21, 2024. Madison, Wi.

Contractile Systems, Mechanobiology & Regulation: Novel Concepts, Technologies & Applications

**Program Organizing Committee:** B. Biesiadecki, E. Brunello, A. Cammarato, H. Granzier (Chair), J. Kirk, A. Kontrogianni-Konstantopoulos, M. Regnier, J. van der Velden, J.C. Ralphe, and R. Moss (*ex officio*)

**ECI Committee:** B. Tanner, B. Colson, K.C. Woulfe, and D. Barefield.

**Local Organizing Committee:** J.C. Ralphe (Chair), Cara Deery (U. Arizona), Katie Randall (U. Wisconsin)

The meeting comprises:

- Two plenary sessions plus panel discussion (75 minutes, 55 min, and 35 mins, resp.).
- Five oral sessions.  
Sessions I and II will each have three talks of 20 minutes each + one ECI talk of 15 minutes.  
Sessions III, IV and V will each have four talks of 20 minutes each + one ECI talk of 15 minutes.
- Plenary lecture of 40 minutes.
- Two poster sessions.
- A closing session that includes Poster awards, ECI awards, and a discussion of current and future directions in the field.

### Saturday, May 18

ECI sessions (all day)

Welcome Reception

### Sunday, May 19

Welcome

Plenary session 1  
Plenary session 2  
+ panel discussion

Oral session I  
Oral session II

Poster session 1

Networking Event

### Monday, May 20

Oral session III  
Plenary talk

Tissue slice workshop

Oral session IV

Poster session 2

Meeting Dinner

### Tuesday, May 21

Oral session V  
Closing session

Topical workshop 1 (optional)  
Topical workshop 2 (optional)  
Topical workshop 3 (optional)

### Saturday, May 18

10:00 – 5:30 ECI Sessions

5:30 – 7:00 Welcome reception

### **Sunday, May 19**

- 7:30 – 8:15      **Continental breakfast**
- 8:15 – 8:30      Welcome
- 8:30 – 9:45      **Plenary Session 1 – High resolution myofilament structure**
- 9:45 – 10:15      Refreshment Break
- 10:15 – 11:10   **Plenary Session 2 – Implications of high-resolution myofilament structure**
- 11:10- 12:00      Panel discussion
- 12:00 – 1:00      lunch
- 1:00 – 2:15      **Oral session I – Molecular mechanisms of regulation and contraction**
- 2:15 – 3:30      **Oral session II – Thin filament associated proteins.**
- 3:30– 5:30      **Poster session 1** (refreshments served)
- 6:30 – 8:00      Evening event – **Networking**; standing **Dinner** for all meeting participants

### **Monday, May 20**

- 7:30 – 8:15      **Breakfast**
- 8:30 – 10:05      **Oral Session III – MyBP-C, titin and other thick filament-associated proteins**
- 10:10 – 10:40      Refreshment Break
- 10:40 – 11:25      **Plenary Lecture**
- 11:30 – 1:00      Lunch + optional 30 min Tissue slice demo/workshop
- 1:00 – 2:35      **Oral session IV – Filaments, membranes & enzymes influencing contractility**
- 2:45 – 5:00      **Poster session 2** (refreshments served)
- 6:00 – 8:30      **Dinner** – reception at 6:00, seating at 6:30

## **Tuesday, May 21**

7:30 – 8:30      **Breakfast**

8:30 – 10:05    **Oral Session V – Myofilament-based diseases**

10:05 – 10:35   Refreshment Break

10:35 – 12:50   **Closing session**

10:35 – 11:05   **Poster Awards**

11:05 – 11:35   **ECI Awards**

11:35 – 12:35   **Summary panel-** current and future directions

12:35 – 12:50   **Closing remarks**

1:00 – 1:45      **Box lunches** in dining room or to take to topical workshops.

1:00 – 4:05      **Topical Workshops** (optional): 3 x 60 min

### **Topical Workshops:**

1. iPSC workshop
2. Computational approaches in myofilament research
3. Low-angle X-ray diffraction