## Week 1, July 1 – 5, 2024

### Sunday, June 30th
- **18:30 – 20:30**
  - Registration mixer with refreshments
  - 11th floor, Gamow Tower Common Room

### Monday, July 1st
- **8:30 – 9:00**
  - Organizers
  - Welcome and School Introduction
- **9:00 – 10:30**
  - W. Jacobs
  - Biomolecular Condensates
- **10:30 – 11:00**
  - Coffee break – questions / interaction with speaker
- **11:00 – 12:30**
  - M. Deserno
  - Membrane Elasticity and Thermodynamics
- **12:30 – 13:45**
  - Lunch
- **14:00 – 15:30**
  - P. Bassereau
  - Protein self-organization
- **15:30 – 17:00**
  - Participant Introductions
- **18:30 – 18:55**
  - Poster Blurbs I
  - Duane G130
- **19:00 – 22:00**
  - Poster Session I
  - 11th Floor Commons Room, Gamow Tower

### Tuesday, July 2nd
- **9:00 – 10:30**
  - W. Jacobs
  - Biomolecular Condensates
- **10:30 – 11:00**
  - Coffee break
- **11:00 – 12:30**
  - M. Deserno
  - Membrane Elasticity and Thermodynamics
- **12:30 – 13:45**
  - Lunch
- **14:00 – 15:30**
  - P. Bassereau
  - Protein self-organization
- **18:00 – 20:30**
  - Dessert on Flagstaff Mountain
  - Busses leave south of C4C at 6pm
### Wednesday, July 3rd

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>9:00 – 10:30</td>
<td>W. Jacobs</td>
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<td>M. Das</td>
<td><em>Mechanical transitions in cells and tissues</em></td>
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<td>14:00 – 15:30</td>
<td>E. Matsumoto</td>
<td><em>Geometry of shape change</em></td>
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<td>15:30 – 15:45</td>
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<td>Break</td>
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<tr>
<td>15:45 – 17:15</td>
<td>A. Saric</td>
<td>Problem solving session</td>
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### Thursday, July 4th

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<td>14:00 – 15:30</td>
<td>A. Saric</td>
<td>Problem solving / What have we learned this week?</td>
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<td>19:00 – 21:30</td>
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<td>Catered dinner</td>
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*11th Floor Commons Room, Gamow Tower*
Week 2, July 8 – 12, 2024

Monday, July 8th
9:00 – 10:30
M.C. Marchetti
Dense active matter

10:30 – 11:00
Coffee Break

11:00 – 12:30
N. Mitchell
Mechanics of morphogenesis

12:30 – 13:45
Lunch

14:00 – 15:30
D. Zwicker
Chemically active droplets

18:30 – 18:55
Poster Blurbs I
Duane G130

19:00 – 22:00
Poster Session I
11th Floor Commons Room, Gamow Tower

Tuesday, July 9th
9:00 – 10:30
M.C. Marchetti
Dense active matter

10:30 – 11:00
Coffee Break

11:00 – 12:30
N. Mitchell
Mechanics of morphogenesis

12:30 – 13:45
Lunch

14:00 – 15:30
D. Zwicker
Chemically active droplets

18:30 – 18:55
Poster Blurbs II
Duane G130

19:00 – 22:00
Poster Session II
11th Floor Commons Room, Gamow Tower

Wednesday, July 10th
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<th>Topic</th>
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<tbody>
<tr>
<td>9:00 – 10:30</td>
<td>D. Zwicker</td>
<td><strong>Chemically active droplets</strong></td>
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<td>14:00 – 15:30</td>
<td>K. Wan</td>
<td><strong>Out-of-equilibrium dynamics and organization of active filaments</strong></td>
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<td>15:30 – 15:45</td>
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<td>Break</td>
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<td>15:45 – 17:15</td>
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<td><strong>Problem solving session</strong> – M. Gardel</td>
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**Thursday, July 11th**

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<td>14:00 – 15:30</td>
<td>M. Prakash</td>
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<td>M. Prakash</td>
<td><strong>TBD</strong></td>
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<td><strong>Problem solving / What have we learned this week?</strong></td>
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<td>– M. Gardel</td>
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<td>Wednesday, July 17th</td>
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Thursday, July 18th

9:00 – 10:30  
J. Yeomans  
*Active matter models of mechanobiology*

10:30 – 11:00  
Coffee Break

11:00 – 12:30  
U. Schwarz  
*Active contractility of adherent cells*

12:30 – 13:45  
Lunch

14:00 – 15:30  
E. Hannezo  
*Collective cell migration*

Friday, July 19th

9:00 – 10:30  
J. Yeomans  
*Active matter models of mechanobiology*

10:30 – 11:00  
Coffee Break

11:00 – 12:30  
E. Hannezo  
*Collective cell migration*

12:30 – 13:45  
Lunch

14:00 – 15:30  
**Problem solving / What have we learned this week?**  
– S. Banerjee
Week 4, July 22 - July 26, 2024

Monday, July 22nd
9:00 – 10:30  Y. Mao
Tissue growth, repair and morphogenesis
10:30 – 11:00 Coffee Break
11:00 – 12:30 A. Liu I. Cohen
Learning metamaterials
12:30 – 13:45 Lunch
14:00 – 15:30 I. Cohen
Viscosity metamaterials, biological tissues and microscopic robots

Tuesday, July 23rd
9:00 – 10:30  Y. Mao
Tissue growth, repair and morphogenesis
10:30 – 11:00 Coffee Break
11:00 – 12:30 I. Cohen
Viscosity metamaterials, biological tissues and microscopic robots
12:30 – 13:45 Lunch
14:00 – 15:30 A. Liu
Learning metamaterials

Wednesday, July 24th
9:00 – 10:30  D. Durian
Autonomous learning metamaterials
10:30 – 11:00 Coffee Break
11:00 – 12:30 V. Vitelli
TBD
12:30 – 13:45 Lunch
14:00 – 15:30 A. Liu
Learning metamaterials
15:30 – 15:45 Break
15:45 – 17:15 Problem solving session – E. Dufresne
Thursday, July 25th
9:00 – 10:30       D. Durian
Autonomous learning metamaterials

10:30 – 11:00      Coffee Break

11:00 – 12:30      V. Vitelli
TBD

12:30 – 13:45      Lunch

14:00 – 15:30      I. Cohen
Viscosity metamaterials, biological tissues and microscopic robots

Friday, July 26th
9:00 – 10:30       D. Durian
Autonomous learning metamaterials

10:30 – 11:00      Coffee Break

11:00 – 12:30      V. Vitelli
TBD

12:30 – 13:45      Lunch

14:00 – 15:00      What have we learned this month? – E. Dufresne