## Week 1, July 7 – 12, 2019

### Sunday, July 7TH

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|---|---|
| 6:30pm – 8:30 | **Registration mixer with refreshments**<br>*WeatherTech Café in the C4C*<br>*Beer/Alcohol/Light Refreshments will be served* |

### Monday, July 8TH

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|---|---|
| 8:30 – 9:00 | **Organizers**<br>*Welcome and School Introduction* |
| 9:00 – 10:30 | **S. Palmer**<br>*Neuro 1* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **A. Nourmohammad**<br>*Quantitative trait evo 1* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 18:30 | **Participant Introductions** |

### Tuesday, July 9TH

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|---|---|
| 9:00 – 10:30 | **L. Mirny**<br>*3D Genomes and cancer 1* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **L. Mirny**<br>*3D Genomes and cancer 2* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **Seminar: Mimi Koehl**<br>*Moving through a turbulent environment: Embedding models in real-world data* |

## Wednesday, July 10TH

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|---|---|
| 9:00 – 10:30 | **A. Nourmohammad**<br>*Quantitative trait evo 2* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **L. Mirny**<br>*3D Genomes and cancer 3* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **S. Palmer**<br>*Neuro 2* |
| 19:00 – 20:00 | **Public Lecture: Leonid Mirny**<br>*Human Genome, now in 3D!, Duane Physics G1B30* |

## Thursday, July 11TH

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|---|---|
| 9:00 – 10:30 | **S. Palmer**<br>*Neuro 3* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **A. Nourmohammad**<br>*Quantitative trait evo 3* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **L. Mirny**<br>*3D Genomes and cancer 4* |

## Friday, July 12TH

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|---|---|
| 9:00 – 10:30 | **A. Nourmohammad**<br>*Quantitative trait evo 4* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **S. Palmer**<br>*Neuro 4* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **Seminar: Orit Peleg**<br>*Collective Ecophysiology and Physics of Honeybees* |
| 19:00 – 21:30 | **Catered dinner**<br>*11th Floor Commons Room*<br>*Beer/Alcohol/Light Refreshments will be served* |

**Week 2, July 15 – 19, 2019**

**Monday, July 15TH**

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|---|---|
| 9:00 – 10:30 | **E. Katifori** |
| | *Living flow networks 1* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **L. Manning** |
| | *Active living matter 1* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **A. Seminara** |
| | *Fluid life 1* |

**Tuesday, July 16TH**

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|---|---|
| 9:00 – 10:30 | **L. Manning** |
| | *Active living matter 2* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **E. Katifori** |
| | *Living flow networks 2* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **A. Seminara** |
| | *Fluid life 2* |

**Wednesday, July 17TH**

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|---|---|
| 9:00 – 10:30 | **A. Seminara** |
| | *Fluid life 3* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **E. Katifori** |
| | *Living flow networks 3* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **L. Manning** |
| | *Active living matter 3* |

## Thursday, July 18TH

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|---|---|
| 9:00 – 10:30 | **L. Manning** |
| | *Active living matter 4* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **A. Seminara** |
| | *Fluid life 4* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **D. Schwab** |
| | *Machine Learning* |
| 19:00-22:00 | **Poster Session** |
| | *11th Floor Commons Room* |
| | *Beer/Alcohol/Light Refreshments will be served* |

## Friday, July 19TH

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|---|---|
| 9:00 – 10:30 | **E. Katifori** |
| | *Living flow networks 4* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **D. Schwab** |
| | *Machine Learning 2* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **Seminar: William Bialek** |
| | *RG-inspired approaches to the analysis of real neural networks* |

**Week 3, July 22 – 26, 2019**

## Monday, July 22ND

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|---|---|
| 9:00 – 10:30 | **A. Mugler** |
| | Sensing 1 |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **D. Schwab** |
| | *Machine Learning 3* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **M. Desai** |
| | *Evo 1* |

## Tuesday, July 23RD

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|---|---|
| 9:00 – 10:30 | **M. Desai** |
| | *Evo 2* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **D. Schwab** |
| | *Machine Learning 4* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **G. Berman** |
| | *Behavior 1* |

## Wednesday, July 24TH

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|---|---|
| 9:00 – 10:30 | **G. Berman** |
| | *Behavior 2* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **M. Desai** |
| | *Evo 3* |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **A. Mugler** |
| | Sensing 2 |
| 16:00 – 17:30 | **Seminar: Massimo Vergassola** |
| | *Learning to navigate amid uncertainties* |

## Thursday, July 25TH

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|---|---|
| 9:00 – 10:30 | **M. Desai**<br>*Evo 4* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **A. Mugler**<br>Sensing 3 |
| 12:30 – 13:45 | Lunch |
| 14:00 – 15:30 | **G. Berman**<br>*Behavior 3* |

## Friday, July 26TH

| | |
|---|---|
| 9:00 – 10:30 | **G. Berman**<br>*Behavior 4* |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 12:30 | **A. Mugler**<br>Sensing 4 |
| 12:30 – 13:45 | Lunch |
| 14:00 – 19:00 | **Student Project Presentations** |