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# Conference on Collective Behavior | (smr 3201)

## Tuesday 08 May 2018

**Tuesday, 8 May - Auditorium, SISSA Building (09:00-20:10)**

| time  | title   | presenter               |
|-------|---|-------------------------|
| 09:00 | Collective Search Strategies in Immune Systems and Bio-inspired Robot Swarms              | MELANIE E. MOSES        |
| 09:40 | Collective Construction by Termites and Robots  | JUSTIN WERFEL           |
| 10:20 | Towards the Fish Matrix   | RENAUD BASTIEN          |
| 10:40 | Coffee break  |                         |
| 11:00 | Cellular Decision-making in Slime Molds   | AUDREY DUSSUTOUR        |
| 11:40 | The Physics of Ant Cooperative Transport  | OFER FEINERMAN          |
| 12:20 | Flocking Models without Velocity Alignment  | LUIS ALBERTO GOMEZ NAVA |
| 12:40 | Lunch break   |                         |
| 14:10 | Dynamical Scaling Laws in Natural Swarms  | ANDREA CAVAGNA          |
| 14:50 | Studying Psychophysical Laws in the Superorganism through a Novel Automated Analysis Tool | ANDREAGIOVANNI REINA    |
| 15:10 | Weber's Law-based Sensory Perception and the Stability of Animal Groups                   | ANDREA PERNA            |
| 15:30 | Coffee break  |                         |
| 16:00 | Learning the Interaction Structure in Bird Flocks from Data                               | ALEKSANDRA WALCZAK      |
| 16:40 | POSTER SESSION  |                         |
| 18:00 | Welcome Reception   |                         |