

2023 Fall 1 (Oct 9-Nov 17, 2023)

| Monday        |                                                                         |                                                                                                                                       |                                                                                    | Tuesday                                                                                   |                                                                                                     |                                                                 | Wednesday                                                               |                                                                                                                                       |                                                                                    | Thursday                                                                                  |                                                                                                     |                                                                 | Friday                                                            |
|---------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|
| 8:45 - 10:00  |                                                                         |                                                                                                                                       |                                                                                    | T. Henzinger<br>Formalisms Every<br>Computer Scientist<br>Should Know                     | de Bono, Hippenmeyer,<br>Novarino, Shigemoto,<br>Sweeney, Vogels<br>Introduction to<br>Neuroscience |                                                                 |                                                                         |                                                                                                                                       |                                                                                    | T. Henzinger<br>Formalisms Every<br>Computer Scientist<br>Should Know                     | de Bono, Hippenmeyer,<br>Novarino, Shigemoto,<br>Sweeney, Vogels<br>Introduction to<br>Neuroscience |                                                                 |                                                                   |
|               |                                                                         |                                                                                                                                       |                                                                                    | Sunstone Big Seminar<br>room B<br>I23.EG.102<br>Oct 24: Mondl 3                           | Sunstone Office Mtg Rm<br>Big<br>I23.01.101<br>Oct 24: Mondl 2                                      |                                                                 |                                                                         |                                                                                                                                       |                                                                                    | Sunstone Big Seminar<br>room B<br>I23.EG.102<br>Oct 19: Heinzel                           | Sunstone Office Mtg Rm<br>Big<br>I23.01.101                                                         |                                                                 |                                                                   |
| 10:00 - 10:15 | Break                                                                   |                                                                                                                                       |                                                                                    | Break                                                                                     |                                                                                                     |                                                                 | Break                                                                   |                                                                                                                                       |                                                                                    | Break                                                                                     |                                                                                                     |                                                                 | 10:00-12:00<br>Büschl, Jansen<br><br>A Brief Introduction<br>to R |
| 10:15 - 11:30 | Alpichshev<br>Collective<br>Phenomena in<br>Condensed Matter<br>Physics | Lampert, Locatello<br>Modern Machine<br>Learning                                                                                      | Henheik, Riabov<br>Maths for<br>Quantitative Life<br>Scientists: Linear<br>Algebra | Core Project                                                                              |                                                                                                     |                                                                 | Alpichshev<br>Collective<br>Phenomena in<br>Condensed Matter<br>Physics | Lampert, Locatello<br>Modern Machine<br>Learning                                                                                      | Henheik, Riabov<br>Maths for<br>Quantitative Life<br>Scientists: Linear<br>Algebra | Core Project                                                                              |                                                                                                     |                                                                 |                                                                   |
|               | Heinzel<br>I21.EG.101                                                   | Mondl 3                                                                                                                               | Sunstone Big Seminar<br>room B<br>I23.EG.102                                       |                                                                                           |                                                                                                     |                                                                 | Heinzel<br>I21.EG.101                                                   | Mondl 3                                                                                                                               | Sunstone Big Seminar<br>room B<br>I23.EG.102                                       |                                                                                           |                                                                                                     |                                                                 |                                                                   |
| 11:30-11:45   | ISTA Colloquium                                                         |                                                                                                                                       |                                                                                    | Break                                                                                     |                                                                                                     |                                                                 | Break                                                                   |                                                                                                                                       |                                                                                    | Break                                                                                     |                                                                                                     |                                                                 |                                                                   |
| 11:45 - 12:35 |                                                                         |                                                                                                                                       |                                                                                    | Lecture Hall                                                                              |                                                                                                     |                                                                 |                                                                         |                                                                                                                                       |                                                                                    |                                                                                           | rec. Modern Machine<br>Learning                                                                     | rec. Linear Algebra                                             |                                                                   |
|               |                                                                         |                                                                                                                                       |                                                                                    |                                                                                           |                                                                                                     |                                                                 |                                                                         | Mondl 3                                                                                                                               | Sunstone Big Seminar<br>room B<br>I23.EG.102                                       |                                                                                           |                                                                                                     |                                                                 |                                                                   |
| 12:35 - 13:15 | Lunch break                                                             |                                                                                                                                       |                                                                                    | Lunch break                                                                               |                                                                                                     |                                                                 | Lunch break                                                             |                                                                                                                                       |                                                                                    | Lunch break                                                                               |                                                                                                     |                                                                 | Lunch break                                                       |
| 13:15 - 14:30 | Kaloshin, Pan<br>Topics in Dynamical<br>Systems                         | 13:00-14:15<br>Goswami<br>General Circulation<br>of the Atmosphere                                                                    |                                                                                    | Goodrich<br>Monte Carlo<br>Methods in<br>Statistical Physics                              | M. Henzinger<br>Algorithms with<br>Differential Privacy                                             | Draganov<br>Mathematics<br>Refresher                            | Kaloshin, Pan<br>Topics in Dynamical<br>Systems                         |                                                                                                                                       |                                                                                    | Goodrich<br>Monte Carlo<br>Methods in<br>Statistical Physics                              | M. Henzinger<br>Algorithms with<br>Differential Privacy                                             | Draganov<br>Mathematics<br>Refresher                            | 13:15-14.05<br>rec. Calculus 1 for Life<br>Scientists             |
|               | Sunstone Big Seminar<br>room B<br>I23.EG.102                            | Moonstone<br>3rd Fl Lab Mtg rm<br>I24.03.005<br>Oct 23: I24.03.006                                                                    |                                                                                    | Moonstone<br>1st Fl Lab Mtg rm<br>I24.01.006                                              | Mondl 3                                                                                             | Sunstone Big Seminar<br>room A<br>I23.EG.102<br>Oct 24: Mondl 2 | Sunstone Big Seminar<br>room B<br>I23.EG.102                            |                                                                                                                                       |                                                                                    | Moonstone<br>1st Fl Lab Mtg rm<br>I24.01.006                                              | Mondl 3<br>Oct 12, 19: Mondl 4                                                                      | Sunstone Big Seminar<br>room A<br>I23.EG.102<br>Oct 19: Mondl 2 | Sunstone Office Mtg Rm<br>Big<br>I23.01.101                       |
| 14:30 - 14:45 | Break                                                                   |                                                                                                                                       |                                                                                    | Break                                                                                     |                                                                                                     |                                                                 | Break                                                                   |                                                                                                                                       |                                                                                    | Break                                                                                     |                                                                                                     |                                                                 | Break                                                             |
| 14:45 - 16:00 | Kwan<br>Topics in Graph<br>Theory I: Extremal<br>Graph Theory           | Dobbelaere, Katsaros,<br>Schanda<br>Understanding<br>Quantitatively<br>Environmentally<br>Important Aspects of<br>Society and Science |                                                                                    | Bugnet, Götlberg<br>Computational Data<br>Analysis and<br>Modeling for Stellar<br>Physics |                                                                                                     |                                                                 | Kwan<br>Topics in Graph<br>Theory I: Extremal<br>Graph Theory           | Dobbelaere, Katsaros,<br>Schanda<br>Understanding<br>Quantitatively<br>Environmentally<br>Important Aspects of<br>Society and Science |                                                                                    | Bugnet, Götlberg<br>Computational Data<br>Analysis and<br>Modeling for Stellar<br>Physics | 15:00-16:15<br>Goswami<br>General Circulation<br>of the Atmosphere                                  | rec. Mathematics<br>Refresher                                   |                                                                   |
|               | Mondl 3                                                                 | Sunstone Big Seminar<br>room A<br>I23.EG.102                                                                                          |                                                                                    | Moonstone<br>3rd Fl Lab Mtg rm<br>I24.03.006                                              |                                                                                                     |                                                                 | Mondl 3<br>Oct 18: Mondl 2                                              | Sunstone Big Seminar<br>room A<br>I23.EG.102                                                                                          |                                                                                    | Moonstone<br>3rd Fl Lab Mtg rm<br>I24.03.006                                              | Moonstone<br>3rd Fl Lab Mtg rm<br>I24.03.005                                                        | Sunstone Big Seminar<br>room A<br>I23.EG.102<br>Oct 19: Mondl 2 |                                                                   |
| 16:00-16:50   |                                                                         |                                                                                                                                       |                                                                                    |                                                                                           |                                                                                                     |                                                                 |                                                                         |                                                                                                                                       |                                                                                    | 16:30-17:45<br>Klammer<br>Looking to the<br>Future - A Career<br>Planning Course          | 16:00-17:00<br>Dean's Office Hour                                                                   |                                                                 |                                                                   |
|               |                                                                         |                                                                                                                                       |                                                                                    |                                                                                           |                                                                                                     |                                                                 |                                                                         |                                                                                                                                       |                                                                                    | zoom                                                                                      | Sunstone Meeting Room<br>I23.01.007                                                                 |                                                                 |                                                                   |

Primary track:

|         |                       |                  |      |             |              |         |          |             |
|---------|-----------------------|------------------|------|-------------|--------------|---------|----------|-------------|
| Biology | Chemistry & Materials | Computer Science | DSSC | Mathematics | Neuroscience | Physics | Other/NA | recitations |
|---------|-----------------------|------------------|------|-------------|--------------|---------|----------|-------------|

\*Core Project:

|                |            |            |            |            |            |            |            |            |            |            |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Oct 12-Jan 23: | I21.01.132 | I21.02.132 | I21.03.132 | I23.01.002 | I23.01.103 | I23.01.104 | I24.02.005 | I24.02.006 | I24.02.026 | I24.03.005 |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|