**PERL for Bioinformatics**

Date: June 12-13, 2017

Time: 8:00-12:30 and 14:00-18:00

Venue: Room no. - 215/P5

**DAY 1**

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| SL | Topic | Time | Instructor |
| 1 | Programming fundamentals | 8:00 - 8:30 |  |
| 2 | Getting started with PERL | 8:30 - 9:00 |  |
| 3 | Variables and operators | 9:15-10:00 |  |
| 4 | Operation on Scalars and strings | 10:00-10:45 |  |
| 5 | Conditional statements and Loop structure | 10:45 - 11:30 |  |
| 6 | Exercises | 11:30 -12:30 |  |
|  | ---- BREAK ---- |  |  |
| 7 | Regular expressions | 14:00-14:45 |  |
| 8 | Exercises | 14:45-15:30 |  |
| 9 | Parsing files using PERL | 15:45-16:30 |  |
| 10 | Handling with file formats | 16:30-17:15 |  |
| 11 | Exercises | 17:15-18:00 |  |

**DAY 2**

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| SL | Topic | Time | Instructor |
| 1 | Variable scoping and special variables | 8:00 - 8:45 |  |
| 3 | References to variables | 8:45-9:30 |  |
| 4 | Exercises | 10:00-10:45 |  |
| 5 | Working with subroutines | 10:45 - 11:30 |  |
| 6 | Exercises | 11:30 -12:30 |  |
|  | ---- BREAK ---- |  |  |
| 7 | Run external programs | 14:00-14:45 |  |
| 8 | Introduction to modules | 14:45-15:30 |  |
| 9 | Exercises | 15:45-16:30 |  |
| 10 | Introduction to BioPerl | 16:30-17:15 |  |
| 11 | Exercises | 17:15-18:00 |  |