**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 | Kanhu |
| 2 | Getting started with PERL | 8:30 - 9:00 | Kanhu |
| 3 | Variables and operators | 9:00 - 9:45 | Rajesh |
| 4 | Operation on variables | 10:00 -10:45 | Kanhu |
| 5 | Conditional statements and loop structure | 10:45 - 11:30 | Kanhu |
| 6 | Exercises | 11:30 -12:30 |  |
|  | ---- BREAK ---- |  |  |
| 7 | Read and write files | 14:00 - 14:45 | Kanhu |
| 8 | Parsing bioinformatics files | 14:45 - 15:30 | Kanhu |
| 9 | Exercises | 15:45 - 16:30 |  |
| 10 | Regular expressions | 16:30 - 17:15 | Rajesh |
| 11 | Exercises | 17:15 - 18:00 |  |

**DAY 2**

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