**PERL for Bioinformatics**

Date: June 12-13, 2017

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

Venue: Room no.- 215/P5

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| **SL** | **Topic** | **Time** | **Instructor** |
| **First Day** | | | |
| 1 | Programming fundamentals | 8:00 - 10:00 | Kanhu |
| 2 | Getting started with PERL |
|  | Exercise |
|  | Break | 10:00 - 10:30 |  |
| 3 | Variables in Perl :Scalar, Array, Hash | 10:30 - 12:30 | Rajesh |
| 4 | Operators |
|  | Exercise |
|  | **Lunch Break** | **12:30 - 14:00** |  |
| 5 | Operations on Scalars and strings | 14:00 - 15:30 | Kanhu |
|  | Exercise |
|  | Break |  |  |
| 6 | Conditional statements and loop structure | 15:45 - 17:30 | Rajesh |
|  | Exercises |
| **Second Day** | | | |
| 7 | File handling | 8:00 - 10:00 | Kanhu |
|  | Exercises |
|  | Break | 10:00 - 10:30 |  |
| 8 | Regular expressions | 10:30 - 12:30 | Rajesh |
|  | Exercise |
|  | **Lunch Break** | **12:30 - 14:00** |  |
| 9 | Variable scoping and special variables | 14:00 - 16:00 | Kanhu |
| 10 | Running external programs |
|  | Exercise |
| 11 | Introduction to subroutines, modules and BioPerl | 16:15 - 17:45 | Rajesh |
|  | Exercise |