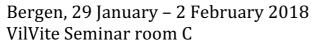
Program

Sequence comparison and database search,





We will start at 10.00 Monday morning and finish by 16.00 Friday afternoon, all other days, we start at 09.00 and end at 17.00.

Regarding content, this is a tentative schedule, and may be rearranged according to the progress of the class.

Monday 29 January

10:00 LECTURE: Pairwise comparisons in an evolutionary context

LECTURE: Introduction to Dynamic Programming

13:00 LUNCH

14:00 PRACTICAL: Parsing Biological Files

PRACTICAL: Computing Substitution Matrices

18:00 DINNER at Bien Centro

Tuesday 30 January

09:00 LECTURE: Introduction to Dynamic Programming

LECTURE: RNA Folding Predictions

12:30 LUNCH

13:30 PRACTICAL: Introduction to Dynamic Programming

Wednesday 31 January

09:00 LECTURE: Blast Algorithm

LECTURE: MSA Introduction

12:30 LUNCH

13:30 PRACTICAL: Nussinov Algorithm

PRACTICAL: Tree Parsing

Thursday 1 February

09:00 LECTURE: MSA Algorithms

PRACTICAL: Implementing an MSA Algorithm

12:30 LUNCH

13:30 LECTURE: HMM Introduction I

PRACTICAL: HMM Modeling

Friday 2 February

09:00 LECTURE: HMM Introduction II

12:00 LUNCH

13:00 Written exam

15:00 Summary and wrap-up