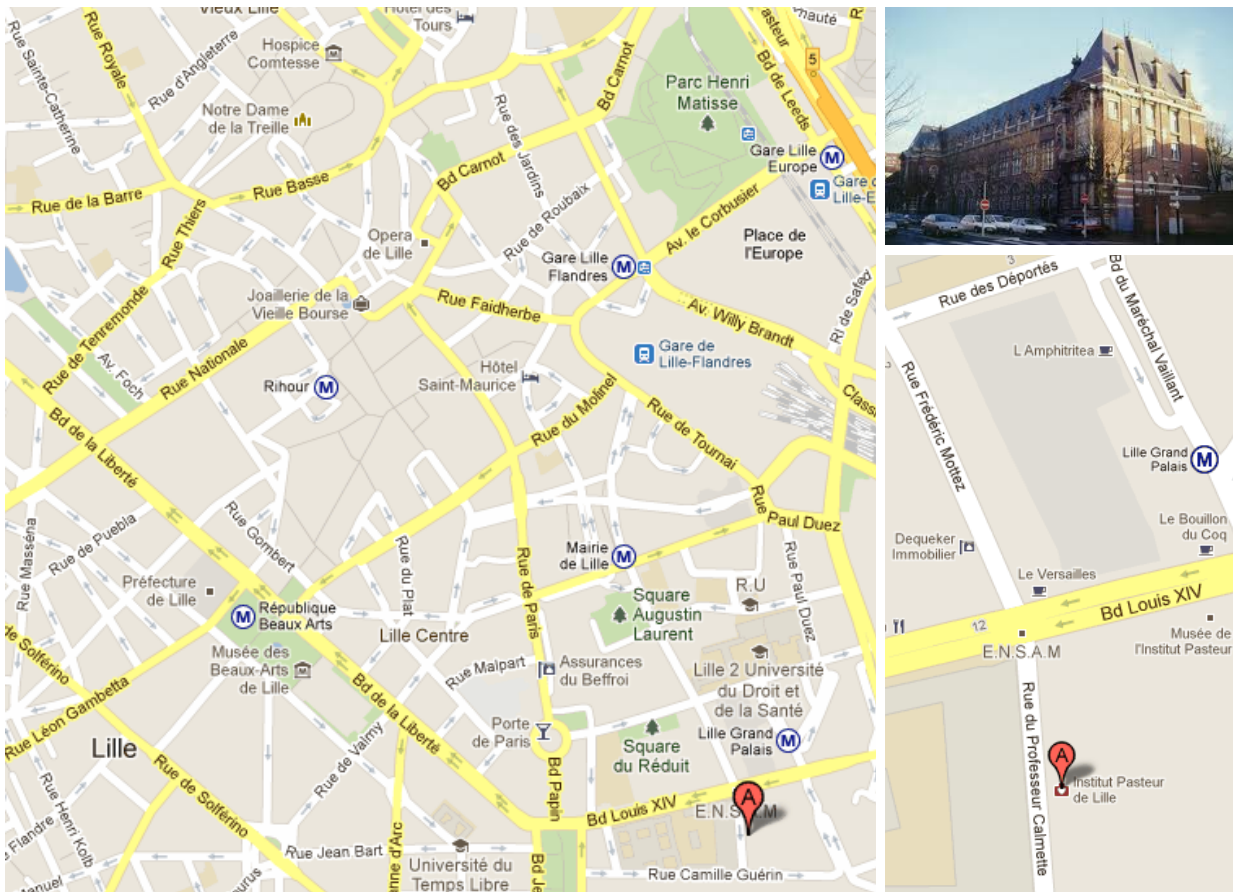


Algorithms, text combinatorics and applications in bioinformatics

8-9 december 2011, Lille

The workshop will be held at **Institut Pasteur de Lille**, *amphithéâtre Butiaux*, located within walking distance of city centre. Metro station: Lille Grand Palais, line 2.



Institut Pasteur de Lille
1, rue du professeur Calmette

8 december (thursday)

- 9:45 – 10h15 *Breakfast, registration*
- 10:15 – 10:50 KisSplice: de-novo calling alternative splicing events from RNA-seq data
Gustavo Sacomoto, Pavlos Antonious, Kielbassa Janice, Rayan Chikhi, Raluca Uricaru, Marie-France Sagot, Pierre Peterlongo, Vincent Lacroix
- 10:50 – 11:25 A New Software to Filter Total RNA for Metatranscriptomic or Ribosomal RNA Analysis
Evguenia Kopylova, Laurent Noé, H el ene Touzet
- 11:25 – 12:00 Comparison of large scale metagenomic data in Tara Oceans project
Nicolas Maillet
- Lunch*
- 13:45 – 14:20 D ecodage  a longueur variable et comparaison de s equences sans alignement
Gilles Didier
- 14:20 – 14:55 Rethinking global analyses and algorithms for comparative genomics in a functional MapReduce style
Natalia Golenetskaya, David James Sherman
- 14:55 – 15:30 Genome Dedoubling by DCJ and Reversal
Antoine Thomas, Aida Ouangraoua, Jean-St ephane Varr e
- 15:30 – 16:05 Classifying Protein Structures by Means of Ant Motifs
Rabie Saidi, Wajdi Dhifi, Mondher Maddouri, Engelbert Mephu Nguifo
- Coffee break*
- 16:30 – 17:30 **Keynote Talk**, Finite Automata for Bioinformatics
Jan Holub, Universit e de Prague
- 17:30 – 18:05 On-line Construction of Position Heaps
Gregory Kucherov

9 december (friday)

- 9:00 – 10:00 **Keynote Talk**, Modeling gene regulatory complexes using both TF-DNA and TF-TF interactions
Esko Ukkonen, Universit e de Helsinki
- 10:00 – 10:35 Pseudo-minimisation lin eaire de l'automate de Aho-Corasick
Omar Ait Mous, Fr ed erique Bassino, Cyril Nicaud
- Coffee break*
- 11:00 – 11:35 Recherche approximative de motifs dans des mots de taille fixe
Tuan Tu Tran, Mathieu Giraud, Jean-St ephane Varr e
- 11:35 – 12:10 Efficient comparison of sets of intervals with NC-lists
Yufei Luo, Matthias Zytnicki, Hadi Quesneville
- Lunch*
- 14h:00 – 14:30 Open discussion
- 14:30 – 15:30 **Keynote Talk**, 2001-2010: Ten years of exact string matching algorithms
Thierry Lecroq, Universit e de Rouen
- 15:30 – 16:05 Maximal Exponent repeats in Overlap-free strings
Golnaz Badkobeh, Maxime Crochemore and Chalita Toopsuwan