

Research scientist

Benoît Bergk Pinto

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Date of birth February 7th 1989 at Ixelles
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Creative – Logical and analytical mind – Curious – like to face new challenges - Voluntary

Professional experience



: July 1st 2013– 1st September 2015: CDI, research scientist in the team « sample preparation and fragmentation technologies ». - validation and optimisation of protocols for DNA/chromatin shearing and ChIP-qPCR- design and validation of new sonicator prototypes (in collaboration with a team of engineers and by the help of R software) – Technical customer support for the Bioruptors and the chromatin shearing – Stock management for some chemicals and the pipet tips for the whole company (Qwartz).

Skills

Molecular Biology

- PCR
- q RT-PCR
- Cloning (bacteria)
- ChIP-qPCR
- PFGE and Bioanalyzer

- ELISA
- Western blot
- Dot blot

Bioinformatics

- 16S rRNA samples analysis with [Mothur](#) (metagenomics)
- Good knowledge of R and Python
- Bash scripting
- Machine learning

- Big data (RNA seq on cancer tissues)
- Biostatistics
- Bioconductor (Rep Seq analysis and microarray data analysis)

Transversal skills

- Interdisciplinary communication skills
- Scientific English
- Advanced knowledge of the Office suite
- Bibliographic research
- Latex

Studies

Universitary studies – Université Libre de Bruxelles (ULB)

2015 (14th of September)-2016 (expected graduation: 14st of September 2016): Master in bioinformatics and modelling ([one year master](#))

Master thesis: « Analysis of antibody and T cell repertoires from RNA sequencing of bulk tumour tissues » carried out at the IRIBHN (RNAseq, diversity assessment, biostatistics, survival analysis...)

2010-2012(14th of September): Master in biology of organisms and ecology, (grade: great distinction, **Andrée Schaak price:** reward the student with the best results in the promotion)

Master thesis: « Distribution et caractères de la microflore de *Paracentrotus lividus* » carried out at the Marine Biology lab of the ULB (DAPI staining for bacterial counts, DNA extractions, analysis of pyrosequencing data by the help of the free Mothur software + statistical comparisons of different bacterial communities)

2007(11-17th of September)-2010: Bachelor in biology (grade: distinction)

Workshops and trainings

January 30th 2013 – June 25th 2013: “centre FOREM Formation Biotechnologie” of Liege (GIGA tower) « Techniques of molecular biology and working in conditions BSL2 and BSL3 » ([web site of the training](#))

Roscoff oceanographic observatory (University Pierre-et-Marie-Curie)

August 2010: Field training in marine biodiversity, option fauna (duration: 3 weeks)

Language skills



French – native speaker



Spanish– native speaker



English – Professional skills



Dutch - uf2 level (basics)

Other realisations

2010-2012: Student delegate at the Biology of organisms and ecology department:

- Organisation of the examinations planning
- Dissemination of information to the students
- Participation to the department council to represent the interests of the students

Hobbies



Nature: walks, observations of animals ...



Informatics : gadgets, videogames ...



Science-fiction: books, films, videogames...



Sport: badminton, jogging