

PierreLECOQ

Master in Biochemistry (Industrial) TFE in Molecular Biology

30 years' experience

MAIN SKILLS

Personal aptitudes :

- Natural team player and people person
- Excellent organizational skills
- Flexibility and adaptability
- Strong analysis skills and capacity for synthesis
- Good listening and communication skills
- Results oriented
- Innovation, Creativity

Transversal competencies:

- Scientific writing / Oral Presentations
- Project management
- Team management
- Conflict management
-

TECHNICAL KNOWLEDGE

Methodologies :

- Certified GCP, familiar and used to work in strictly regulated environments (e.g. GLP, CAP-CLIA, ISO, FDA / EMEA/New York State / ... Audits)
- Familiar with QA / QC /Regulatory affairs / Change Control / SOPs & WIs
- Used to Computer System Validation (e.g. Perl, SAS) & Method/software performances validation

Scientific skills:

- Molecular biology techniques: DNA/RNA extraction, cloning, mRNA differential display, DNA sequencing (NGS), qPCR, DNA library construction and screening

- Lab settings (Sequencing / Robotics-automation)
- Various R&D Fields: Human, Plants, Infectious Diseases. Health Care / Diagnostics. Datamining, Problem Solving.

IT tools :

- Bio-Linux (Ubuntu): Command Line, script/bash.
- Databases: SQLs, DB Creation (DB Main).
- Coding Methodology: Initiation -Advanced.
- Perl: Initiation - Advanced.
- R and Statistics: Initiation - Advanced.
- Omics: Next Generation Seq. Software Packages.
- Statistics (basics), Programming Logic, Statistical Modelling.
- Jump, R, SAS: Initiation - Advanced. SAS Data Management.
- Multivariate Statistics.
- Case Studies R and Jump.- Biostatistics and Clinical Statistics.
- Measurement Errors, Quality Control, 6 Sigma.
- ...

Others :

Artialis S.A.

Data Manager / BioStatistician / BioInformatician (internship)

2017SEP-2017NOV (3 months)

ENVIRONMENT

Artialis (currently 20 employees) is a spin-off from University of Liège (2010). The company offers biomarker-based solutions to address unmet needs for product development in musculoskeletal disorders. From preclinical studies to postmarketing clinical trials, Artialis provides scientific expertise, R&D support services, and tools for the evaluation of clinical, structural, and biological impact of a compound on musculoskeletal health.

FUNCTION DESCRIPTION

This internship is a direct follow-up from the 3 months intensive Clinet course for "Expertise in Clinical Studies" (CEFOCHIM; April / June 2017).

Primary role:

- Initially joining the company as Data Manager my first deliverable was a "user-friendly" application (Perl / WIN32::GUI / MS-Excel) used to record data from paper CRFs (TEAM clinical study) in somewhat an eCRF and create structured Databases (with user access / access log, backup, archiving and also largely inspired from C-DISC/C-DASH).
- Next my time and skills were dedicated to review / analyze data from 2 ongoing studies (COPRA & MOKHA) that were already locked but with delays in receiving reports from Biostatisticians (Artialis outsources Data Management and Biostatistics). Using R-codes (R Markdown) I generated preliminary overviews and supportive material (plots, tables, etc.) to help company management board figure out the outcomes of studies.
- I am currently completing my internship focusing on reviewing Biostatisticians reports and generating material for the CTRs (plus writing documentation for previous activities e.g. SOPs/WIs and IQ/OQ reports).

Languages used:

French and English

Tools / Skills:

Perl Object Oriented/WIN32 :GUI (windows applications), R / RStudio / R markdown (statistics: e.g. Wilcoxon signed paired test, normality assessment Shapiro-Wilk/Anderson-Darling, Linear regression modeling, etc.) Implementation and Validation of Software Package (inclusive SOPs/WIs).

Service de Génétique Humaine, CHU Liège

Consultant / Freelance (Bioinformatic support)

2016JAN-2016DEC (12 months)

ENVIRONMENT

The genetic department of CHU Liège offers a wide and impressive range of services / activities inclusive but not limited: "Biochimie génétique; Biologie moléculaire constitutionnelle; Biologie moléculaire hémato-oncologique et hématologie constitutionnelle; Cytogénétique; Test prénatal non invasif (NIPT); Oncogénétique moléculaire et hématologie constitutionnelle. Centre de prise en charge des maladies héréditaires du métabolisme".

FUNCTION DESCRIPTION

This partnership is also a direct follow-up from another 3 months intensive (GIGA Liège) course for "Bioinformatics" (September / December 2015).

Primary role:

- I was initially invited to join for an internship focusing on various activities but with a common denominator: Diagnostics using Next Generation Sequencing data (this was my primary target when selecting for the internship). So I learned a lot about this brilliant technology and quickly proposed to develop some applications (e.g. a "Sample Tracker/Tracer"). And my internship was converted in a freelance contract for about one year.
- Another interesting contribution was to participate in the development of a strategy for the Performance Qualification of the Non-Invasive Prenatal Testing (identification of embryo Trisomy from maternal blood circulating DNA sequencing)

Languages used:

French and English

Tools / Skills:

Linux Ubuntu, BWA/Samtools, etc. (NGS dedicated software packages), Perl & R. Design, Implementation and Validation of Software Package (inclusive SOPs).

Janssen Diagnostics (JnJ group)

Principal Scientist, Project Leader

2002FEB-2013MAR (134 months)

ENVIRONMENT

Tibotec-Virco a promising joint venture dedicated to HIV-I drug developments and diagnostics was acquired by Johnson & Johnson(see <https://youtu.be/cjbPpoM4Hlk> or JnJ web site) in 2002.

FUNCTION DESCRIPTION

My collaboration with JnJ started in 2002 with a position of Project Leader of HIV-I Drug Resistance Diagnostics, role that ended in 2013 when Janssen Diagnostics put on hold its activities in the HIV-I drug resistance diagnostics field.

Primary role:

- As primary role I endorsed the responsibility of the scientific content of the HIV-I Drug Resistance diagnostics software package. More specifically Leader of team in charge of the HIV-I Drug Resistance Diagnostics (VircoTYPE™) customers / internal service.
- Move from R&D tool to a fully validated Medical Device (for FDA submission).
- Leveraging performances by introducing Statistics.
- BioIT Team management.
- Leader of: (1) Roche 454-Sequencing for evaluation / validation for HIV-I Tropism, (2) "Virtual Virus" & (3) Biological Cut-Offs for VircoTYPE™
- Member / Ad hoc member Virco Management Committee, Clinical Virology Team, FLU / HCV Teams.
-
- Skills : Project / Team / People management, Regulatory /QA controlled environments, Computer Systems Validation (Perl, SAS). Numerous Publications, Posters & 1 Patent

Languages used:

Tools:

Janssen Diagnostics (JnJ group)

Principal Scientist, Project Leader

2002FEB-2013MAR (134 months)

ENVIRONMENT

Tibotec-Virco a promising joint venture dedicated to HIV-I drug developments and diagnostics was acquired by Johnson & Johnson(see <https://youtu.be/cjbPpoM4Hlk> or JnJ web site) in 2002.

FUNCTION DESCRIPTION

My collaboration with JnJ started in 2002 with a position of Project Leader of HIV-I Drug Resistance Diagnostics, role that ended in 2013 when Janssen Diagnostics put on hold its activities in the HIV-I drug resistance diagnostics field.

Primary role:

My primary function was the leadership over the scientific content of the HIV-I Drug Resistance diagnostics software package.

- Leader of team in charge of the HIV-I Drug Resistance Diagnostics (VircoTYPE™) customers / internal service.
 - Move from R&D tool to a fully validated Medical Device (for FDA submission).
 - Leveraging performances by introducing Statistics.
 - BioIT Team management.
- Leader of: (1) Roche 454-Sequencing for evaluation / validation for HIV-I Tropism, (2) "Virtual Virus" & (3) Biological Cut-Offs for VircoTYPE™
- Member / Ad hoc member Virco Management Committee, Clinical Virology Team, FLU / HCV Teams.

- Skills : Project / Team / People management, Regulatory /QA controlled environments, Computer Systems Validation (Perl, SAS). Numerous Publications, Posters & 1 Patent

Languages used:

Tools:

GENERAL INFORMATIONS

EDUCATION

Master in Biochemistry, University of Liège 1989. Name of the diploma – university XXXX year 19XX

Name of the diploma – university XXXX year 19XX

LANGUAGES

Language	ELAO level	Speaking	Writing	Reading
French	C2	+++++	+++++	+++++
English	B2	++++	++++	++++
German	A1	++	++	++
Dutch	A0	+	-	+

AVAILABILITY

January 8th, 2018