

Pierre LECOCQ



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OBJECTIVES

**Biotech / Pharma / CRO
Clinical Research / Health Care / Diagnostics**

Project/Program Leadership/Management

**Consultant / Support for/as
Molecular Biology / BioInformatics / BioStatistics
PM / DM / CTA / MW / QA / PV**

Freelance / CDD / CDI

PROFESSIONAL EXPERIENCE

1. 2017SEP-2017NOV (3 months) Data Manager / BioStatistician / BioInformatician (internship) at Artialis S.A. 11, Avenue de l'Hôpital, Tour GIGA +3, 4000 Liège (Sart-Tilman), Belgium

Key Responsibilities / Deliverables

- Data Management BioInformatics: Design, installation and validation (SOP/WI) of an application dedicated to paper CRFs data recording inclusive user access management & database creation (CDISK/CDASH compliant) and archiving / back-up.
- BioStatistics: Analyses of Clinical Studies COPRA / MOKHA (OsteoArthrosis field) datasets accordingly with protocol / Statistical Analysis Plan and beyond. And development of an application for sample sizing & randomization.

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).

2. 2016JAN-2016DEC (12 months)

BioInformatics Support (Freelance Consultant) at CHU Liège (BE), Genetics Department (Pr. V. Bours)

Key Responsibilities / Deliverables

- Genetic Diseases Diagnostics using Next Generation Sequencing data (Illumina).
 - ✓ NIPT (Non Invasive Prenatal Testing for Aneuploidy (e.g. Trisomy 21; Audit BELAC support)
 - ✓ Human Genomic Diseases (focused on Neuro/Onco CHU panel)
- Samples Traceability via SNPs (Single Nucleotide Polymorphism) identified using KASP Fluo (Komparative Allele Specific PCR; LGC group) and NGS Data. (Perl/Windows application).

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

3. 2002FEB-2013MAR (134 months)

Teams / Projects Leader/Manager at Janssen Diagnostics BVBA (JnJ Group), Beerse (BE)

Senior / Principal Scientist

Key Responsibilities / Deliverables

- 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**

4. 1997FEB-2002JAN (60 months)

Project Leader at Monsanto PBLC (Cambridge, UK) / Monsanto nvba (Corroy-Le-Grand, BE)

Scientist / Senior Scientist

Key Responsibilities / Deliverables

- Leader for Promoter Discovery (Wheat Resistance To Fusarium; Creating Genetically Modified Organisms)
- Leader for High Throughput Data Generation / Mining (Automation / Robotics: Cloning, PCR, Sequencing, Micro/Macro Arrays, etc.).
- Member / Ad hoc member GMO Scientific Committee, Ethic Board, IP Team.

Skills : High Throughput (Tecan, Beckmann, CoolPix, ABI 3770 workflow unit). PERL & Expertise in Datamining. "Leads Discovery" course. Several Publications, Posters & **>30 Patented Wheat Promoters.**

5. 1989JUL -1997JAN (90 months)

Academic Researcher Lab. Mol. Biol. & Genetics, University of Liège, Liège (BE).

Junior Scientist / Scientist

Key Responsibilities / Deliverables

- 4 Years dedicated to PhD (follow-up of Master's TFE). Granted by IRSIA/FRIA.
- Promoted as Leader of University DNA Sequencing Unit (creation/implementation /management/Customer service)
- Design and development of Biotech Tools eg. DNA Ladder SmartLadder (Eurogentec), Modified GFPs. In the frame of creating a Biotech company.

Skills : Molecular Biology, Genomics, Bioinformatics (ancestral), Team management, Project Management, Entrepreneurial skills. Several Publications, Posters & **2 BCCM – LMBP registered micro-organisms.**

COURSES / TRAININGS / CERTIFICATIONS

A. 2017APR-2017JUN/2017OCT (3 months) + B. 2015SEP-2015DEC (3 months)

Internship (3 months)

Expert Clinical Studies: CEFOCHIM, Clinet(Seneffe BE)

Content

- Working in clinical study sector: Drug development and clinical research, CRO/Pharma.
- Pre-clinical phase, Clinical development plan - Phases 1-4, Post-marketing surveillance.
- Medical and scientific writing ICF, CRF, IB, IMPD... and Reports
- Quality Assurance / Regulatory Affairs: Quality management in Clinical Research and Development, GMP/GLP/GCP, Good Storage and Distribution Practices; medical product registration, regulation in Agro-food, in Medical Devices. Marketing Authorization Application.
- CRA: Regulation (EMEA-Europe, Belgium) Introduction & Informed Consent, Site Identification & Site Selection Visit, Site Initiation Visit, Site Monitoring Visit.
- Data management initiation, advanced. Health economics, Biostatistics, Medical Affairs.
- Project Management fundamental, Clinical Project Management and Clinical protocol.
- Networks/Communication skills, Negotiation skills.

GCP Certification

Bioinformatics Training Program (GIGA University of Liège, Liège BE)

Content

- 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.

C. 2013OCT-2014JAN (3 months)

Biostatistics Training Program (GIGA University of Liège, Liège BE)

Content

- 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.

EDUCATION / EXPERIENCE

- **1992** Bioinformatics methods for DNA and protein sequence analysis University of Liège, BE
- **1989-1993** Research associated to tentative PhD (follow-up of master). Granted by FRIA (IRSIA; 4 Years) and Télévie. Lauréat prix Léon Frédérique .
- **1984-1989** Master in Biochemistry (Industry orientation). Graduate thesis at “ Laboratoire de Biologie Moléculaire et Génie Génétique”, University of Liège, BE on “ Human Zinc Finger C2H2 Genes coding for Transcriptional Factors”.
- **1983-1986** City Council (Neupré, BE)
- **1983-1984** Hall Steward at RAMADA Inn (Liège, BE)
- **1982-1983** Accountant (Forem/Onem; Bruxelles, BE)
- **1982** Laborer (building) Réforme & Nizet (Liège, BE)
- **1977-1981**: 1 & 2 Bacs Medecine (University of Liège, BE)
- **1971-1977**: Athénée Royal Mixte de Seraing (“AIR PUR”), section Latin-Math.

LANGUAGES

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

SOCIAL NETWORKS

RESEARCHGATE: https://www.researchgate.net/profile/Pierre_Lecocq

FACEBOOK: <https://www.facebook.com/pierre.lecocq.961>

LINKEDIN: <https://be.linkedin.com/in/pierre-lecocq-03526721>

SKILLS/COMPETENCIES

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

Quality

- 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
- 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.

Computer skills:

- See Courses, Trainings and Certifications

Transversal competencies:

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

REFERENCES

- **Bérénice Costes**, PhD, Clinical Operations Director, Artialis SA,
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- **Anne-Christine Hick**, PhD, Technological Platforms Manager, Artialis SA
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- **Vinciane Dideberg**, MD Lab. Director, CHU Liège Genetics,
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- **Koen Van der Borgh**, Senior Scientist at Janssen, Pharmaceutical Companies of Johnson and Johnson,
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- **Kim Hammond-Kosack**, Wheat Pathogenomics Team, Rothamsted Research Institute (UK), Phone: + 44 1582 763 133, Email: kim.hammond-kosack@rothamsted.ac.uk, (4)
- **Eric Bellefroid**, Institut de Biologie et de Médecine Moléculaires Laboratoire de Génétique du Développement, Université Libre de Bruxelles,
Phone: +32 2 6509732, Email: ericebellefr@ulb.ac.be, (5)

OTHERS

- Postal Address:
Rue des Hausseurs n° 10, B-4550 NANDRIN (Belgium) (GPS : N 503058 E052549)
- Born in Liège, July 23th 1959.
- Married with Catherine Bovie (PhD Molecular Biology, Project Manager Diagenode BE), 2 children.
- Interested / active in:
 - ✓ Social Activities (Family, Friends, Environment, Politics, etc.
 - ✓ All Sports Activities but a passion for Football (soccer): UEFA-B Coaching License, Talent Detection UEFA, RTFJ-I URBSFA, Monitor Level 2 Football (ADEPS), Member of Standard of Liège Scouting Team,), Resp. Admin. Formation Jeunes , RES Templiers URBSFA #392 (Label Young 3 stars) and Official Referee URBSFA.
 - ✓ Computers and Software Packages
 - ✓ Gardening / farming.
 - ✓ Travels (preferably with Family/Friends)
- MBTI "ENTJ" (<http://www.myersbriggs.org/>)