

Clement Haeck

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EMPLOYMENT

Sep. 2020 –
present

The Population Council, New York City, NY, USA (Dr Bruce Variano*)

- Lead pharmaceutical product development projects as a Pharmaceutical Formulation Scientist, improved drug delivery formulations, and prepared three research manuscripts
- Worked on the pharmaceutical development plan of an injectable contraceptive and of a non-hormonal multipurpose prevention technology to prevent pregnancy, HIV, and STIs
- Supervised a postdoctoral researcher, 3 technicians, a QA/QC specialist, and an intern
- Was selected as an Emerging Leader in the Contraceptive Technology Innovation program of FHI 360 with funding from the Bill & Melinda Gates Foundation

Apr. 2020 –
Sep. 2020

Johnson & Johnson (J&J), Dublin, Ireland (Ms. Magdalena Krajewska)

- Handled complaints for global vigilance activities associated with J&J medical devices and pharmaceutical products across EMEA (Europe, Middle East & Africa) teams
- Improved a process of pharmaceutical data investigation to meet clinical trials and post-marketing requirements, and to ensure product safety

Nov. 2017 –
July 2019

Almac Group, Craigavon, United Kingdom (Dr Catherine McClorey*)

- As a senior analyst in the Physical Sciences team, I handled multiple scalable projects up to millions of dollars as lead analyst with clients throughout the world
- Supported the release testing of developmental, clinical and approved medicines by analyzing the physico-chemical properties of drug substances and final drug products
- Developed, optimized and validated analytical methods following the correct SOPs, guidelines, *Pharmacopeia* standards (USP, EP, JP), and regulations (ICH, FDA, EMA)
- Collaborated daily with other departments, including QA, QC, Manufacturing, and BD
- Prepared and presented weekly analytical data to partners/customers/clients
- Acquired knowledge of statistical analyses, DoE, PAT, QbD, and method transfer
- Supervised team of analysts and reviewed department team members' work and reports

Sep. 2014 –
Sep. 2017

Queen's University Belfast, School of Pharmacy, Drug Delivery group, Belfast, United Kingdom (Prof. Karl Malcolm* and Dr Thakur Raghu Raj Singh)

- Physico-chemical characterization of raw materials and final drug products, manufacture of long-acting injectable formulations, nanonization, process development, *in vitro* dissolution release testing, aseptic production, sterilization, microbiology evaluation, stability studies, and preparation of an *in vivo* pharmacokinetics study in macaques. A submitted paper is under review
- Demonstrated laboratory practicals and supervised research project students

Jan. – July
2014

INSERM research unit "MiNt", Angers, France (Prof. F. Lagarce)

- Optimized oral and injectable lipid-based nanomedicine anti-cancer formulations, produced then in a clean room, tested their stability and their *in vitro* performance

May – Aug.
2013

2-BBB Medicines B.V., Leiden, the Netherlands (Dr. P. Gaillard)

- Researched, evaluated, selected and applied for the most suitable and relevant international grants to this liposomes-based company ([Eole scholarship](#) recipient)

Oct. 2012 –
Mar. 2013

Pharmacovigilance Centre of the North of France, Lille, France (Dr. S. Gautier) and **Saint-Vincent de Paul Hospital**, Lille, France (Dr. F. Vigne)

- Researched and responded to healthcare professionals' and patients' queries regarding adverse drug reactions (ADRs) using the Adverse Event Reporting System (AERS)
- Checked all the chemotherapy preparations and performed bacteriological checks of sterile isolators in the clean room of the hospital's pharmacy

EDUCATION

2014-2019	<p><i>Queen's University Belfast, School of Pharmacy, United Kingdom</i> Ph.D. in Pharmaceutical Sciences and Drug Delivery</p> <ul style="list-style-type: none"> - I worked on the pre-clinical development of long-acting injectable formulations for combination contraception and HIV prevention / Pre-Exposure Prophylaxis (PrEP) This project was funded by the World Health Organization (WHO) - Selected participant in the Global Leadership program 2016 in Malaysia - Fully trained in Project Management (CAPM), and health & safety policies
Oct. – Dec. 2019	<p><i>Chinese Culture University, Mandarin Learning Center, Taipei, Taiwan</i> - Three-month-long intense Mandarin course: level 1 completed</p>
2007-2017	<p><i>University of Lille, School of Pharmacy, France</i> Pharm.D. (Doctor of Pharmacy) specialized in industry and research (Honors)</p>
2013-2014	<p><i>University of Paris-Sud, School of Pharmacy, France</i> M.S. (Master of Science) in Pharmaceutical Technology and Biopharmacy (Honors)</p>
2011-2012	<p><i>University of Kent, Medway School of Pharmacy, United Kingdom</i> M.Pharm. (Master of Pharmacy) Level 3 course completed</p>
Languages:	<p><i>English:</i> fluent <i>French:</i> fluent <i>German:</i> intermediate <i>Spanish:</i> beginner <i>Mandarin Chinese:</i> beginner <i>Taiwanese:</i> beginner</p>
IT skills:	<p>MS Office Suite, Google tools, GraphPad Prism, Slack, Discord, Zoom, GoToMeeting, GoToWebinar, SPSS, Photoshop, Canva, Zotero and Mendeley</p>

SELECTED PRESENTATIONS, PUBLICATIONS, and AWARDS

Aug. 2023	<p>Preclinical development and pharmacokinetic assessment in macaques of a multipurpose long-acting injectable suspension containing medroxyprogesterone acetate for contraception and rilpivirine for HIV prevention. Haeck, CM <i>et al.</i> <i>JDDST</i> (85)</p>
2022	<p>Selected participant in the Emerging Leaders in Contraceptive Technology Innovation 6-month mentoring program, with a fully funded scholarship to attend the Grand Challenges Annual Meeting of the Bill & Melinda Gates Foundation in Brussels</p>
Jun. 2021	<p>13th International Symposium on Pharmaceutical Sciences – Ankara, Turkey. Invited presentation: ‘Preclinical development of an injectable MPT formulation.’</p>
Mar. 2021	<p>Polymorphism characterization of segesterone acetate: A comprehensive study using XRPD, FT-IR and Raman spectroscopy. Aragon, FFH <i>et al.</i> <i>Int J Pharm.</i> (596)</p>
2020 - present	<p>Organizer, chair & host of sessions at FIP (International Pharmaceutical Federation) congresses/webinars, including a session on Personalised therapy: the promise of 3D-printing at the Pharmaceutical Sciences World Congress in October 2020</p>
Oct. 2019	<p>Invited speaker for the webinar organized by the FIP: <i>How will the next generation of pharmaceutical scientists and pharmacists contribute to Public Health?</i></p>
Dec. 2018	<p>Design, formulation and evaluation of novel dissolving microarray patches containing a long-acting rilpivirine nanosuspension. Mc Crudden, MTC <i>et al.</i> <i>JCR</i> (292), 119-129</p>
Aug. 2018	<p>64th IPSF World Congress – Mendoza, Argentina. Invited interactive workshop, endorsed by the initiative for MPTs (iMPT): ‘MPTs: contraception, STI prevention and/or HIV prevention (PrEP) throughout the world!’</p>

Sep. 2017 **77th FIP World Congress of Pharmacy and Pharmaceutical Sciences** – Seoul, South Korea. [FIP Industrial Pharmacy Section \(IPS\) Poster Presentation Award](#) for ‘*In situ* forming implants as Multipurpose Prevention Technology (MPT) formulations’

VOLUNTARY WORK

2018-present **FIP Early Career Pharmaceutical Group (ECPG)** Chairperson of Liaisons 2023, Young Pharmacists Group (YPG) Publications subcommittee member 2022, Twitter manager 2021, [liaison 2017-2020](#) to the Special Interest Group on ‘Drug Delivery and Manufacturing’, part of the Board of Pharmaceutical Sciences (BPS)

2016-present **EPSA (European Pharmaceutical Students' Association)** [mentor](#): Provided support and career guidance to European pharmacy undergraduate and postgraduate students

2015-2018 **IPSF (International Pharmaceutical Students' Federation)** (Ms. Juliet Obi*)
[Compounding Event coordinator 2015-2016](#) and Professional Development (PD) committee member 2015-2018: Organized PD events worldwide, at our annual World Congress in Zimbabwe, at our regional symposia, and online (webinars & competitions)

2017 [One of the two IPSF representatives at the UNESCO General Conference](#)

2015, 2016 [IPSF delegate at the World Health Assemblies](#) to represent pharmacy students at WHO annual assembly and [deliver statements](#) on behalf of the federation

Sports and interests: swimming, badminton, Global Public Health, innovations, learning languages, following the latest international news, & traveling around the world