
Marion Chomet

RADIOPHARMACIST

EDUCATION

- June 2016 **FELASA C** – Animal certificate – UAntwerpen (Antwerp, Belgium)
- Nov. 2015 **Radiopharmacist diploma, ERC 2 and 3 EANM** – INSTN (CEA Saclay, France)
- Avr. 2015 **Pharm D** – Specialised post-graduate degree in Hospital Pharmacy clinical practice and research (Paris, France)
- Janv. 2014 **Master 2 Research Diploma – Molecular imaging and development of radiopharmaceuticals** – Dr J. Vercouillie, Pr. AD Windhorst – F. Rabelais University (Tours, France), VU University (Amsterdam, The Netherlands)
- May 2013 **Health Physics expert (level 5B)** – University of Technology (Delft, The Netherlands)
- Oct. 11–June 2012 **Inter-universitary diploma in statistics (CESAM)** – Pierre and Marie Curie University (Paris, France)
- Nov. 09–Apr. 2014 **Paris Descartes University - Modules** – Quality insurance – medical computer science and statistics - Drug analysis - Clinical pharmacy (Paris, France)
- 2004–2015 **Studies and hospital residency in Pharmacy** – Claude Bernard University, ISPB (Lyon, France) – Paris XI (France)
-

WORK EXPERIENCE

RADIOPHARMACY – RADIOPHARMACEUTICAL SCIENCES

3 years' experience working with radioactivity in hospitals and in research laboratories:

- Experimental research and radiolabelling with ^{18}F , ^{11}C and ^{89}Zr in GMP laboratories, with automated synthesis units, *in vitro* and *in vivo* animal studies and HPLC analysis.
- Experience in preclinical research and in clinical hospitals using various isotopes (e.g. $^{99\text{m}}\text{Tc}$, ^{123}I , ^{68}Ga , ^{11}C , ^{18}F , ^{89}Zr).
- Daily production of ^{68}Ga -DOTATOC for patients and research experiments on various other ^{68}Ga -radiolabelled peptides. Involved as a radiopharmacist in ^{68}Ga clinical research and writing IMPDs.
- Manufacturing of radiopharmaceuticals under aseptic GMP conditions following radiation safety rules.
- Supply, preparation, formulation, quality controls and dispensation of radiopharmaceuticals for PET and SPECT imaging studies, along with ensuring good radiopharmacy practice, involvement in the management of GMP radiochemistry laboratories.
- Maintain control records for receipt, storage, preparation, disposal of radioactive nuclei, traceability of radiopharmaceuticals, control of instruments and equipment
- Expertise in clinical trials, radioprotection and French regulatory agencies (ANSM, IRSN, ASN).
- Management and training of technicians and students in radiopharmacy.

Since Oct. 2016 **Radionuclide Center VUMC Amsterdam** – PhD Student under the European ITN Marie Curie grant N° 675417 – PET Imaging in Drug Design and Development (PET3D) – Project ESR 4 “Reverse translational of Immuno-PET in oncology” – Dr. DJ Vugts, Pr. GA van Dongen, Pr. AD Windhorst. (Amsterdam, The Netherlands)

Oct. 15 – July. 2016 **UAntwerpen** – Early stage researcher under the European ITN Marie Curie grant N° 642881 – “Imaging the extracellular matrix protease MMP-9 in the development of acquired epilepsy – Pr. S. Dedeurwaerdere (UAntwerpen, Belgium)

May. 14 – Oct. 2015 **Tenon Hospital** – Pr. JN. Talbot, Dr. V. Nataf – Radiopharmacist in the Nuclear medicine department (Paris, France)

Nov.12–Sept. 2013 **Radionuclide Center Amsterdam, Master degree internship** – Pr. AD. Windhorst – VU University (Amsterdam, The Netherlands) – Master student - Research Year grant from the French Regional Health Agency

Nov. 11–Oct. 2012 **Avicenne Hospital** – Dr. V. Eder, Dr. V. De Beco – Resident in Radiopharmacy in the Nuclear Medicine department (Bobigny, France)

PHARMACY

Nov. 13 – Apr. 2014 **St-Joseph Hospital** – Dr. Y. Bezie, Dr. V. Talon – Medical Devices Unit (Paris, France)

- In charge of material vigilance in relation with clinical units and the French health agency (ANSM). Elaboration of tender offers with industrial partners.

May – Oct. 2012 **Hôtel-Dieu Hospital** – Pr. F. Chast, Dr. R. Batista – Health economy and drug vigilance (Paris, France)

- Pharmacological vigilance of medicinal products derived from human blood and of drugs under clinical trial.
- Manufacturing of emergency chemotherapies under GMP conditions.
- Analysis of drugs (antibiotics, immunosuppressive drugs, epileptics) and toxicology of samples for the Paris Medical and Juridical Emergency using various techniques (CPG, HPLC, FPIA, ITLC...).

May – Oct. 2010 **Necker Hospital for sick children** – Dr. P. Bourget – Preparation and quality control (Paris, France)

- Immunoassays analysis of toxic drugs, epileptics and antibiotics.
 - Quality control of chemotherapies (HPLC, UV, IR)
-

Nov. 09 – Apr. 2010 **Hôtel-Dieu Hospital** – Pr. F. Chast – Pharmaceutical department for outpatients (UPHARMA) – (Paris, France)

- Dispensation to outpatients and management of drugs with specific status (ATU) or in clinical trials.

INTERNSHIPS

June – Oct. 2009 **Cambodian Pasteur Institute virology unit** – Dr. JL. Sarthou, Dr. P. Buchy, Dr. O. Sivuth. – Working on the different methodologies of serodiagnosis of the dengue viruses (ELISA, diagnosis using IHA, IF, RT-PCR) – (Phnom Penh, Cambodia)

Sept. 2007 **Training in Ethnopharmacology** – "from the medicinal plant to the clinical drug" – French Ethnopharmacology Society (SFE) – (Metz, France)

June – July 2006 **Research training internship (MSBM)** – Pr. Reynaud – Mémoire on flavonoïdes research in *Chenopodium bonus henricus* – Botanical laboratory, Pharmacy University (Lyon, France)

Oct. 08–May 2009 **Lyon Est Hospital** – Pr. F. Borson-Chazot, Pr. B. Claustrat – Endocrinology and radioanalysis department (Lyon, France)

Oct. 06–Sept. 2008 **Lyon Hospitals** – Trainings in various methods of drug analysis in biology, neuroimmunology and biochemistry (Lyon, France)

PUBLICATIONS AND COMMUNICATIONS

- Aug. 2016 **Eur J Med Chem 118 (2016) 143-160** - « *Synthesis, radiolabeling and evaluation of novel amine guanidine derivatives as potential positron emission tomography tracers for the ion channel of the N-methyl-D-aspartate receptor* ». Klein PJ, Chomet M, Metaxas A, Christiaans JA, Kooijman E, Schuit RC, Lammertsma AA, Van Berckel BN, Windhorst AD
- Apr. 2015 **Pharm D thesis in radiopharmacy** – « *Radiolabelling with Carbon-11 or Fluor-18 and ex-vivo evaluation of new radiotracers aiming the ion channel of the NMDA receptor* » (Paris, France)
- Mars. 2015 **3rd World Congress – Theranostics – ⁶⁸Ga & PRRT** – Baltimore USA – « *Validation of cleaning procedures for radiolabelling DOTATOC and NODAGA-RGD using a fixed-tubing module* ». Chomet M, Bernard M, Chipan AS, Géraudie B, Henriët T, Nataf V
- Sept. 2014 **Médecine Nucléaire 38 (2014) 229–234** – « *Gallium-68: Practical considerations to allow successful clinical applications in a nuclear medicine department* ». Chomet M, Cross T, Géraudie B, Chipan AS, Talbot JN, Nataf V
- Sept. 2014 **Médecine Nucléaire 38 (2014) 235–239** – « *PET imaging of neuroendocrine tumors of the small intestine* ». Montravers F, Nataf V, Bartovic M, Cich D, Chomet M, Cross T, Géraudie B, Chipan AS, Balogova S, Talbot JN

LANGUAGES

French (Native) – English (C2) – Dutch (B1) – German (A1)
