

Curriculum Vitae

Dr. Médecin Sean Timothy Francis O'CONNOR

Spécialiste en médecine interne générale

Au bénéfice d'une double formation de master en science environnementale et santé (thèse en toxicologie moléculaire) avec formation post-graduée en ingénierie et gestion à l'Université de California Berkeley, j'ai poursuivi mes études de santé avec l'obtention de mon diplôme de médecin de St. George's Hospital Medical School, University of London en partenariat avec NorthShore University Health System (Chicago, IL, USA) où j'ai effectué ma formation clinique. Après un an de formation spécialisée à Imperial College NHS Trust Londres en médecine interne aiguë, urgences, gériatrie et psychogériatrie, j'ai effectué ma formation de spécialiste en médecine interne en Suisse principalement aux Hôpitaux Universitaires de Genève au travers d'un parcours comprenant des expériences approfondies en médecine interne, soins intermédiaires, gériatrie, radio-oncologie, cardiologie, angiologie, pharmacologie clinique, consultation de la douleur, et urgences à domicile et en clinique.

Prestations

- Investigation/Diagnostic/Traitement de pathologies de médecine interne et médecine générale
- Petite chirurgie (points de suture, drainage d'abcès, ablation de points de suture, infiltration coude/genou/tendinite de De Quervain)
- Praticien de laboratoire au cabinet
- Traumatologie/interprétation radiographique
- Interprétation d'électrocardiogramme
- Urgences médicales au cabinet/ambulatoires
- Investigation pneumologiques de première intention
- Injections/vaccinations
- Médecine des voyages
- Dépistage des maladies sexuellement transmissibles, prévention, prophylaxie
- Bilans de santé
- Examen niveau 1 de permis de conduire

Formation Professionnelle

- Médecin Spécialiste en Médecine Interne Générale, membre FMH
- Bachelor of Medicine and Bachelor of Surgery, St. George Hospital Medical School, University of London, United Kingdom, formation Clinique à NorthShore University Health System, Chicago, USA
- Master of Science in Environmental Health Science (University of California, Berkeley)
- Graduate Certificate in Engineering and Business for Sustainability (University of California, Berkeley)
- Bachelor of Science in Environmental Science (University of California, Los Angeles)

Activité Professionnelle

2022-2023	Médecin interniste/urgentiste, Clinique et Permanence d'Onex
2021-2022	Médecin radio-oncologue, Hôpitaux Universitaires de Genève
2021	Médecin interniste/urgentiste à domicile, Genève-Médecins
2018-2021	Médecin en médecine interne générale, Hôpitaux Universitaires de Genève
2017-2018	Médecin en médecine interne, Imperial College NHS Trust Londres, Royaume-Uni
2011	Secouriste, Berkeley, Californie et San Francisco, Californie

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Specialist Physician in General Internal Medicine

After a double post-graduate training in environmental health (thesis in molecular toxicology) and engineering and business for sustainability at the University of California Berkeley, I pursued my medical training with St. George's Hospital Medical School, University of London in partnership with NorthShore University Health System (Chicago, IL, USA) where I completed my clinical training and passed the United States Medical Licensing Examination leading to recognition of my achievements from the United States Commission of Foreign Medical Graduates. After a year of specialized training at Imperial College NHS Trust London in acute internal medicine, emergency medicine, gériatrics and geriatric psychiatry, I completed my specialist training primarily at the Geneva University Hospitals with specific training in internal medicine, intermediate intensive care, geriatrics, radio-oncology, cardiology, angiology, clinical pharmacology, chronic pain, and ambulatory and home urgent care.

Healthcare Competencies

- Investigation/Diagnosis/Treatment of internal medicine and general medicine pathologies
- Small-scale surgical procedures (suture placement/removal, abscess drainage, injections)
- Laboratory analysis and blood work
- Trauma follow-up and radiography
- Electrocardiography
- Emergency ambulatory care
- First-line pulmonary investigations
- Travel medicine
- Work or personal health check-ups
- Sexually transmitted disease check-ups, prevention and prophylaxis
- Level 1 driving permit medical evaluations

Professional Training

- Specialist physician in General Internal Medicine, member FMH, Switzerland
- Bachelor of Medicine and Bachelor of Surgery, St. George Hospital Medical School, University of London, United Kingdom, clinical training at NorthShore University Health System, Chicago, USA
- Master of Science in Environmental Health Science (University of California, Berkeley)
- Graduate Certificate in Engineering and Business for Sustainability (University of California, Berkeley)
- Bachelor of Science in Environmental Science (University of California, Los Angeles)

Professional Activities

2022-2023	Internal Medecine / Emergency Room Physician Clinique et Permanence d'Onex
2021-2022	Radio-oncology physician, Geneva University Hospitals
2021	Internal Medecine / Emergency Room Physician house calls Genève-Médecins
2018-2021	Internal Medicine Physician, Geneva University Hospitals
2017-2018	Internal Medicine Physicians, Imperial College NHS Trust London, United Kingdom
2011	Emergency Medical Technician, Berkeley, California et San Francisco, California

Publications Scientifiques/Scientific Publications

Adrien Jossart, Bernhard Gerber, Laura Houard, Bernard Pilet, Sean O'Connor, Raymond Gilles. (2023) Distribution of normalized pulmonary transit time per pathology in a population of routine CMR examinations. *Acta Cardiologica*: 26-26.

Fong YM, Zhou W, Liu L, Alontaga AY, Chandra M, Ashby J, Chow A, O'Connor STF, Li S, Chin A, Somlo G, Palomares M, Li Z, Tremblay JR, Tsuyada A, Sun G, Reid MA, Wu X, Swiderski P, Ren X, Shi Y, Zhong W, Chen Y, Wang SE. (2015) Breast cancer-secreted miR122 reprograms glucose metabolism in premetastatic niche to promote metastasis. *Nature Cell Biology* 17: 183-194. PMID: 25621950 PMCID: PMC4380143 2.

O'Connor, STF, Makri S, Joseph J. "Fibromyalgia." *Joints*. Nicosia, Cyprus: Aretaeio Hospital, 2015

Liu L, Zhou W, Cheng C-T, Ren X, Somlo G, Fong MY, Chin AR, Li H, Yu Y, Xu Y, O'Connor STF, O'Connor TR, Ann DK, Stark JM, Wang SE. (2014) TGFb induces 'BRCAness' and sensitivity to PARP inhibition in breast cancer by regulating DNA-repair genes. *Molecular Cancer Research* 12: 1597-609. PMID: 25103497 PMCID: PMC4233161

Zhou W, Fong MY, Min Y, Somlo G, Liu L, Palomares MR, Yu Y, Chow A, O'Connor STF, Chin AR, Yen Y, Wang Y, Marcusson EG, Chu P, Wu J, Wu X, Li AX, Li Z, Gao H, Ren X, Boldin MP, Lin PC, Wang SE. (2014) Cancer-secreted miR-105 destroys vascular endothelial barriers to promote metastasis. *Cancer Cell* 25: 501-515. PMID: 24735924 PMCID: PMC4016197

O'Connor STF, Lan J, North M, Loguinov A, Zhang L, Smith MT, Gu A, Vulpe CD. (2013) Genome-wide functional and stress response profiling reveals toxic mechanism and genes required for tolerance to benzo[a]pyrene in *S. cerevisiae*. *Frontiers in Toxicogenomics* 3: 316. PMID: 23403841 PMCID: PMC3567348