



# NOEEN MALIK ( P h D )

Nuclear Medicine Scientist & Business Strategist

## CONTACT

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- [LinkedIn.com/in/ noeen-fisch24](https://www.linkedin.com/in/noeen-fisch24)
- <https://www.scientudio.biz/>
- [Endorse Hope](#)
- 1818 W, 11th Ave  
Vancouver, BC, V6J 2C5

## HIGHLIGHTS

- Clinical Imaging Book Co-Author: [The PET Method: Tracer Principle and Radiochemistry](#)
- Nucl. Med. Scientist (Specialization: Drug Design, PET/CT/SPECT Imaging, INDs)
- [Guest Editor, Special Issue "Special Issue "Development of Radiolabeled Peptides": Pharmaceuticals \(IF: 5.215\) \(ISSN 1424-8247\), 2023](#)
- [International Peace Ambassador for Canada and USA](#), GLPC, since Nov 2021
- [Chair & Lead of SCWIST Science Symposium, A National Competition for Young Scientists Across Canada, 2021](#)
- [Business Strategist \(Specialization: Theragnostics\)](#)
- [Science Communicator / Illustrator](#)

## EDUCATION

**DOCTORATE DEGREE**  
(*magna cum laude; 1.0*)  
**RADIOCHEMISTRY**  
Eberhard-Karls University,  
Tuebingen, Germany

## SKILLS

### | Business

SWOT, MOST, BPM, Case Modelling, Non-functional requirement, PESTLE, GAP, CATWOE, RFPs (CROs, CMOs), IP (Application preparation and filing)

### | Clinical cGMP

**Radiopharmaceuticals:**  
[Including but not limited to:](#) [<sup>18</sup>F], [<sup>11</sup>C], [<sup>68</sup>Ga], [<sup>177</sup>Lu], [<sup>90</sup>Y], [<sup>111</sup>In], [<sup>89</sup>Zr].

### Automation:

Nano Tek CE Advion, GE TRACERlabs (FXC Pro & FXN Pro), FASTlab synthe-sizer GE, GRP synthesizer Scintomics

### Documentation:

Applications with regulatory agencies (NDAs; INDs; CTA); Documentation control for audits in compliance with FDA, BPs, USP, NRC, DOT

### QA/QC:

Gamma-spectrometer, LC/MS, GC/FID, GC/MS, NMR, IR, Phosphorimager

## WORK EXPERIENCE (CHRONOLOGICAL)

### Board Positions

#### Executive Director of Public Affairs

[GIANT \(WHO-United Nations\)](#), California | May 2021 — April 2022

- Managing:** Team and projects related to marketing and communication.
- As an infrastructure committee member, working to develop a strategic business plan for next 5 years.

#### Director of Communication & Events

[SCWIST](#), Vancouver | June — November 2021 (Acting-March 2021— June 2021)

- Managing & Organizing:** Team, [events](#), digital marketing, soliciting sponsorships, communications, and events budget.
- Solicited: \$29.5 k** for [Symposium](#) from adMare Bioinnovations, Northeastern University, AbCellera, Kruger Inc., Acuitas Therapeutics, Microsoft Canada, MOLLi Surgical, SOPHOS, Sixsense Strategy group

### Business

#### CEO & Founder

[Scientudio Inc.](#) | August 2021 — Present

- Managing & Organizing:** Team, consulting services for pharmaceutical / life sciences companies, marketing, soliciting collaborations and partnerships.
- Endorse Hope (Not-for-Profit):** Looping in [global community](#) workers to create an impact on overall society for better reforms.

#### Corporate Partner Strategist

[eSRS](#), May 2020 | November 2020 — April 2021

- Solicited:** Strategist for soliciting corporate partners (Read testimonial [here](#)).

#### Commercialization Intern

TRIUMF Innovations Inc., Vancouver | February 2020 — July 2020

- Prepared:** Business reports / case development (Companies global shares, Market size, Risk assessments, Targeted customers, Profit margin, Future directions etc.) for [<sup>68</sup>Ga] via cyclotron, [<sup>89</sup>Zr], [<sup>64</sup>Cu] and [<sup>225</sup>Ac]



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## WORK EXPERIENCE CONTINUED

### SKILLS

#### | Pre-Clinical

**Imaging:** [PET/CT/SPECT](#)

**In Vivo:** Injections (femoral cannulation, IP, IM, SC, IV), blood collection (cardiac puncture, tail vein, orbital sinus (retro-orbital, submandibular), inhaled Isoflurane anesthesia & CO2 euthanasia, tumor cells inoculation, stereotactic brain surgery (mice), [aseptic mice surgery](#) (square knot suture), (IACUC & CCAC trained)

**In Vitro:** Western blotting, gel electrophoresis (SDS-PAGE or agar), metabolite profiling (blood & urine), Cryostat (microtome), ARG, LSC, binding assays, FACS

#### | Tech

**Drug Design:** Hyperchem, AutoDock 4.0, LigandScout 2.0, Discovery Studio 3.1, AMBER 16 (basics)

**PET/CT Programs:** IRW (Siemens), FireVoxel (NYU-LH), ASIPro, Carimas 2.10

**Healthcare Related:** FHIR (HL7 Qvera Interface Engine (QIE), Meditech, ESO HDE (Health Data Exchange) (Training: HIPA, USA)

**Others:** Graph prism 7, Multi Gauge V3 2 (Fuji Films), Origin, ACD Labs, Chem Bio Draw Ultra, AVS4YOU, Canva, LaTeX, EndNote, Blender, Microsoft

### LANGUAGES

#### | English

Fluent, IELTS: overall band score 7.5

#### | German

Working Proficiency, (B1 levels), did Institute, München, Germany

## Research & Development

### Research Scientist

[CRF, MIPS, Stanford School of Medicine](#), Stanford | January 2022 — Present

#### Responsibilities:

- R & D of radiopharmaceuticals for oncology and neuroscience
- Market strategic report for theragnostic-isotopes for Nextgen Cyclotron project
- CRF website development: <https://cyclotron.stanford.edu/>

### Postdoc (R & D)

TRIUMF, Vancouver | March 2018 — August 2020

- **Managed & Performed:** Research projects (*Oncology & Neuroimaging*)

**Title:** Development of radioligands for targeting [LRRK2](#) (neuroimaging) by PET

**Status:** Preliminary data completed; **Benchwork:** Jan 2019-Nov 2019, Multistep syntheses of 7-tracers (SFU), radiosyntheses (TRIUMF), biological evaluations (UBC Brain Center & BC Cancer Research Center); **two publications:** **Contribution:** 90% hands-on.

**Title:** Radiofluorinations by UV-catalysis

**Status:** Preliminary data obtained; Co-author in publications ([1](#), [2](#), [3](#)); **Benchwork:** Mar-2018-Feb 2020, BCCRC; **Contribution:** Biological Evaluations.

### Associate Researcher

Radiology, NYU-LHC, New York | November 2015 — February 2018

- **Managed & Performed:** [Pre-clinical research PET/CT Imaging](#) (*Neuroimaging*)

### Sr Research Associate & Faculty Member for cGMP

Clinic for Nuclear Medicine, University Hospital, Ulm, Germany | March 2013 – November 2015

- **Managed & Performed:** [cGMP production, QA/QC, documentation of clinical radiopharmaceuticals](#); Assistant supervision / Teaching (Diplom / Grad. in Radiochemistry; medical students).

### Postdoc & Staff Member for cGMP

Radiology, Anschutz Medical Campus, Aurora, Colorado | March 2012 – February 2013

- **Managed & Performed:** [Research projects](#), cGMP production & QA/QC of preclinical radiopharmaceuticals & documentation.

### Research Scientist

Clinic for Nuclear Medicine, University Hospital, Ulm, Germany | April 2011 – February 2012

- **Managed & Performed:** Research & Assistant supervision / Teaching Radiochemistry to students (Diplom / Grad.) for their thesis; development of [Positron Plastic Scintillation Detector](#) (*Raytest GmbH, Germany*)

### Research Assistant

Radiopharmacy, University Hospital, Tübingen, Germany | April 2007 – March 2008

- **Responsibilities:** Research projects on development of radiofluorinated model compounds for clinical amino acids.
- **Responsibilities:** Development of radiofluorinated compounds for clinical AAs.



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## M E N T O R S

### | Science

**Prof. Dr. rer. nat. Hans-Jürgen Machulla**

Clinic for Nuclear Medicine,  
University Hospital Tübingen  
Germany

**Prof. Dr. Dr. h.c. mult. Wolfgang Voelter**

Interfakultäres Institut für Biochemie  
Eberhard-Karls-Universität Tübingen  
Germany

**Dr. Thomas J Ruth (FRSC)**

Emeritus Scientist, TRIUMF & BCCRC  
Fellow of the Royal Society of Canada  
Founder of Nuclear Medicine Program  
TRIUMF & BCCRC  
Adjunct Prof., Dept. Med., UBC  
Adjunct Prof., Dept. Physics &  
Astronomy, University of Victoria

**Prof. Dr. Yu-Shin Ding**

Department of Radiology  
NYU Langone Health, NYC  
USA

### | Business

**Kevin McDuffie**

Director, Business Development  
TRIUMF Innovations, Canada

**Dr. Andrew Gifford**

Chairman & Chief Scientific Officer  
Gifford Bioscience Ltd., Birmingham, UK  
Fmr. Sr Scientist,  
BNL (Brookhaven National Laboratory),  
New York, USA

**Juanita A De-Souza-Huletey, MA,  
PMP, ALEP**

Member, Board of Governors,  
University of Manitoba  
Manager, The Workers Compensation  
Board of Manitoba, Winnipeg

## C E R T I F I C A T E / L I C E N S E / E x t r a - C u r r i c u l a r

**Leadership - The Road Less Travelled**, The Eighth Mile Consulting, Australia, June 2022

**Business Analytics**: Harvard Business School, January 2020 – March 2020

**Sustainable Business Strategy**: Harvard Business School, February 2020 – March 2020

**CIRTL Associate**: Instructional Skills Workshop (ISW), UBC, June 2020

**Radioactive Material Licenses**: City of New York, License # 52-2955-06, (Exp. Jan 2020)

**SCWIST Volunteer of the Month Award** (October 2020)

**Travel Award** by Society of Nuclear Medicine, USA (SNM, June 2011, San Antonio).

**DAAD scholarship**: PhD, Germany (2008)

**Impromptu debater** (Twice District / Province Level Winner during school)

**Double Gold Medalist** for distinction throughout school

## P U B L I C A T I O N S ( 2 0 1 0 - P r e s e n t )

Corresponding Author\*: 6, Equally contributed#: 1, First Author: 11, Last Author: 9, H-Index: 12, Citations: 648, **Total: 29**

Complete Bibliography (eRA Commons: malikn06):

<https://www.scopus.com/authid/detail.uri?authorId=35190681600>

## T a l k s / C o n f e r e n c e - A b s t r a c t s ( S i n c e 2 0 1 0 )

### As a Keynote Speaker/Guest Speaker:

- "[Leveraging Science Driven Research With Entrepreneurial Vim – Key Gaps & Essential Toolkit](#)" in ACS series (California section), February 2022, USA
- "[Science Communication Career Workshop](#)" in Women's Health Research Cluster and the Djavad Mowafaghian Centre for Brain Health, March 2022, Canada
- "[Gene-based Vaccine and Drug Development; mRNA Vaccines](#)", Students' Against Superbugs (SAS) Africa, October 2021
- "[Repairing the Impaired Brain Machinery](#)" in Brownbag series (SCWIST), January 2021, Vancouver, Canada

### International Conference Presentations:

- "[Synthesis and in vitro and in vivo evaluation of a novel radioligand for LRRK2](#)" in Society of Nuclear Medicine (SNMMI, 2017), Denver, USA.
- "[Effects of high-fat diet on brown adipose tissue \(BAT\) activity in wild type vs. RAGE null mice](#)" in Society of Nuclear Medicine (SNMMI, 2017), Denver, USA.
- "[Synthesis and evaluation of \[<sup>3</sup>H\]LRRK2-IN-1 as a novel radioligand for in vitro and in vivo studies on LRRK2](#)" in International Symposium on Radiopharmaceutical Sciences (ISRS, 2017) in Dresden, Germany.
- "[Role of the brown adipose tissue activity in mice devoid of the receptor for advanced glycation endproducts \(RAGE\)](#)" in World Molecular Imaging Congress (WMIC, 2016) in New York, USA.



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## M E N T O R S

### | Colleagues

**Dr. rer. nat. Bin Shen**

Director,  
Cyclotron & Radiochemistry Facility  
(CRF)  
Molecular Imaging Program (MIP)  
Stanford University Medical Center  
Stanford, USA

**Dr. Anne Trudel**

Former Chief Safety Officer (CSO)  
Environment, health, and safety  
TRIUMF, Canada

**Dr. Khristine G Cariño, DMD, PhD**

Program Manager, Palette Skills  
President, Society of Canadian Women  
in Science & Technology (SCWIST)  
Founding Member & Affiliate,  
WiCyS Western Canada Affiliate

## C A R T O O N I S T

### | Science Myths - Deck



## T a l k s / C o n f e r e n c e - A b s t r a c t s ( S i n c e 2 0 1 0 )

### International Conference Presentations (Contd.):

- "[Efficient radiofluorinations of potential PSMA ligands with Al<sup>18</sup>F and biological evaluations](#)" in European association of nuclear medicine (EANM, 2014) in Gothenburg, Sweden.
- "Effiziente Radiofluorierung des PSMA Liganden DTPA-CHX-A''-DUPA-Pep via Al<sup>18</sup>F" in Deutsche Gesellschaft für Nuklearmedizin (DGN, 2014), Hannover, Germany.
- "[One pot radiosynthesis of a new PSMA ligand \[Al<sup>18</sup>F\]NOTA-DUPA-Pep](#)" in Society of Nuclear Medicine (SNM, 2012), Miami beach, USA.
- "[A novel approach for imaging hypoxia: Tyrosine coupled with 2-nitroimidazole \(\[<sup>18</sup>F\]FNTI\)](#)" in Society of Nuclear Medicine (SNM, 2011), San Antonio, USA.
- "[Nucleophilic substitution by \[<sup>18</sup>F\]-fluoride at pyridines suited as a surrogate of benzene in biomolecules](#)" in European association of nuclear medicine (EANM, 2010) in Vienna, Austria.

### Abstracts:

- 17 International Conference Abstracts (Most of them are published in JNM).

## E V E N T S / W O R K S H O P S

- Organized & moderated an International Event ([Virtual, zoom](#)): "[International Perspectives On Advancing Women In Stem Careers And Leadership](#)" (SCWIST, 25th Sep 2020) ([Chair: Dr Khristine Carino, Director Events, SCWIST](#))
- Organized & moderated a workshop: [Grant Writing Skills](#) (TRIUMF, Feb 2020).
- Organized & managed a STEM Event: [She-Leads \(Career Development: Women in STEM\)](#) (TRIUMF, Feb 2020) ([Chair: Prof Dr Reiner Kruecken, Deputy Director Research, TRIUMF](#)).

## M E M B E R S H I P S / R E V I E W E R

- [Guest Editor, Special Issue "Special Issue "Development of Radiolabeled Peptides": Pharmaceuticals \(IF: 5.215\) \(ISSN 1424-8247\), 2023](#)
- Member of Society of Nuclear Medicine and Molecular Imaging (SNMMI), since 2017.
- Member of World Molecular Imaging Congress (WMIC), since 2016.
- Member of Amnesty International (AI) & SOS Children Villages, since 2020.
- Member of International Rescue Committee (IRC), since 2016.
- Member of International Youth Council, United Nations (IYC-UN), since 2010.
- Potential reviewer of *Mol Imag Biol* (Impact Factor: 3.34), since 2014.
- Potential reviewer of *Metabol* (Impact Factor: 6.513), since 2018