

# Stanford

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## Noeen Malik, PhD

Physical Science Research Scientist, Rad/Molecular Imaging Program at Stanford

 Curriculum Vitae available Online

### SUPERVISORS

- Bin Shen

### Bio

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#### BIO

- ---Clinical Imaging Book Co-Author: The PET Method: Tracer Principle and Radiochemistry
- ---Nuclear Medicine Scientist (Specialization: Drug Design & PET/CT/SPECT Imaging)
- ---Clinical Radiopharmaceuticals Expert (cGMP Compliance : Production, QA/QC, IND)
- ---International Peace Ambassador for Canada and USA, GLPC, since Nov 2021
- ---Business Strategist (Founder & CEO of Scientudio Inc. platform for professionals/students in life sciences since Sept, 2021)
- ---Public Affairs Strategist (Former executive Director of Public Affairs, GIANT, with WHO-UN, May 2021-April, 2022)
- ---Founder of Endorse Hope (Vocational trainings, science education, women's health, children welfare in African/Asian countries; since Feb. 2022)
- ---Former Chair of SCWIST Science Symposium, 2021 (National Competition for Young Scientists in Canada) (Former Director of Communications & Events (SCWIST, 2021)

List of Publications:

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

#### CURRENT ROLE AT STANFORD

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 project

<https://cyclotron.stanford.edu/>

#### EDUCATION AND CERTIFICATIONS

- Certified, University of British Columbia , CIRTL Associate - Instructional Skills (2020)

- Certified, Harvard Business School Online , Sustainable Business Strategy (2020)
- Certified, Harvard Business School Online , Business Analytics (2020)
- PhD, Eberhard-Karls University, Tuebingen , Radiochemistry/Biochemistry (2011)

## LINKS

- LinkedIn: <https://www.linkedin.com/in/noeen-fisch24/>

## Professional

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### PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, Stanford Venture Studio (2022 - present)
- Member, Society of Nuclear Medicine and Molecular Imaging (2012 - present)
- Member, WMIS World Molecular Imaging Society (2016 - present)
- Member, WiN (Women in Nuclear) Canada (2019 - present)
- Member, Women in Radiopharmaceuticals, IAEA (2022 - present)
- Executive Director of Public Affairs, GIANT (Global Immunization Action Networking Team, with WHO-UN) (<https://www.giant-int.org/about/>) (2021 - 2022)
- Founder & CEO, Scientudio Inc. <https://www.scientudio.biz/> (2021 - present)
- Founder, Endorse Hope (Not-for-Profit) <https://www.endorse-hope.org/> (2022 - present)

## Publications

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### PUBLICATIONS

- **Development and biological evaluation of [F-18]FMN3PA & [F-18] FMN3PU for leucine-rich repeat kinase 2 (LRRK2) in vivo PET imaging** *EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY*  
Malik, N., Kornelsen, R., McCormick, S., Colpo, N., Merkens, H., Bendre, S., Benard, F., Sossi, V., Schirmacher, R., Schaffer, P.  
2021; 211: 113005
- **Lewis Acid-Facilitated Radiofluorination of MN3PU: A LRRK2 Radiotracer** *MOLECULES*  
Malik, N., Bendre, S., Schirmacher, R., Schaffer, P.  
2020; 25 (20)
- **Electrostatic Effects Accelerate Decatungstate-Catalyzed C-H Fluorination Using [F-18]- and [F-19]NFSI in Small Molecules and Peptide Mimics** *ACS CATALYSIS*  
Yuan, Z., Yang, H., Malik, N., Colovic, M., Weber, D. S., Wilson, D., Benard, F., Martin, R. E., Warren, J. J., Schaffer, P., Britton, R.  
2019; 9 (9): 8276-8284
- **PET imaging study of brown adipose tissue (BAT) activity in mice devoid of receptor for advanced glycation end products (RAGE).** *Journal of biosciences*  
Ding, Y., Malik, N., Mendoza, S., Tuchman, D., Del Pozo, C. H., Diez, R. L., Schmidt, A.  
2019; 44 (4)
- **PET imaging study of brown adipose tissue (BAT) activity in mice devoid of receptor for advanced glycation end products (RAGE)** *JOURNAL OF BIOSCIENCES*  
Ding, Y., Malik, N., Mendoza, S., Tuchman, D., Del Pozo, C., Diez, R., Schmidt, A.  
2019; 44 (4)
- **F-18-Branched-Chain Amino Acids: Structure-Activity Relationships and PET Imaging Potential** *JOURNAL OF NUCLEAR MEDICINE*  
Nodwell, M. B., Yang, H., Merkens, H., Malik, N., Colovic, M., Wagner, B., Martin, R. E., Benard, F., Schaffer, P., Britton, R.  
2019; 60 (7): 1003-1009
- **Site-Selective, Late-Stage C-H F-18-Fluorination on Unprotected Peptides for Positron Emission Tomography Imaging** *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*  
Yuan, Z., Nodwell, M. B., Yang, H., Malik, N., Merkens, H., Benard, F., Martin, R. E., Schaffer, P., Britton, R.  
2018; 57 (39): 12733-12736

- **Co-occurrence of aflatoxins and ochratoxin A in nuts, dry fruits, and nuty products** *JOURNAL OF FOOD SAFETY*  
Iqbal, S., Mehmood, Z., Asi, M., Shahid, M., Sehar, M., Malik, N.  
2018; 38 (4)
- **Development of Novel Radioligands for Imaging LRRK2 in Parkinson's Disease**  
Malik, N., Tuchman, D., Sandell, J., Gifford, A., Ding, Y.  
SOC NUCLEAR MEDICINE INC.2018
- **Heavy Metals in Selected Vegetables from Markets of Faisalabad, Pakistan** *JOURNAL OF FOOD PROTECTION*  
Iqbal, S., Ullah, Z., Asi, M. R., Jinap, S., Ahmad, M., Sultan, M., Malik, N.  
2018; 81 (5): 806-809
- **Natural occurrence of patulin in different fruits, juices and smoothies and evaluation of dietary intake in Punjab, Pakistan** *FOOD CONTROL*  
Iqbal, S., Malik, S., Asi, M., Selamat, J., Malik, N.  
2018; 84: 370-374
- **Survey of mycotoxins in retail market cereals, derived products and evaluation of their dietary intake** *FOOD CONTROL*  
Alim, M., Iqbal, S., Mehmood, Z., Asi, M., Zikar, H., Chanda, H., Malik, N.  
2018; 84: 471-477
- **Synthesis and In Vitro and In Vivo Evaluation of [H-3]LRRK2-IN-1 as a Novel Radioligand for LRRK2** *MOLECULAR IMAGING AND BIOLOGY*  
Malik, N., Gifford, A. N., Sandell, J., Tuchman, D., Ding, Y.  
2017; 19 (6): 837-845
- **Synthesis and In Vitro and In Vivo Evaluation of [H-3]LRRK2-IN-1 as a Novel Radioligand for LRRK2 (vol 19, pg 837, 2017)** *MOLECULAR IMAGING AND BIOLOGY*  
Malik, N., Gifford, A. N., Sandell, J., Tuchman, D., Ding, Y.  
2017; 19 (6): 846
- **Synthesis and In Vitro and In Vivo Evaluation of Novel Radioligands for LRRK2**  
Ding, Y., Malik, N., Tuchman, D., Sandell, J., Gifford, A.  
NATURE PUBLISHING GROUP.2017: S579-S580
- **Survey of aflatoxins and ochratoxin A in retail market chilies and chili sauce samples** *FOOD CONTROL*  
Iqbal, S., Asi, M., Mehmood, Z., Mumtaz, A., Malik, N.  
2017; 81: 218-223
- **The seasonal variation of aflatoxin M-1 in milk and dairy products and assessment of dietary intake in Punjab, Pakistan** *FOOD CONTROL*  
Iqbal, S., Asi, M., Malik, N.  
2017; 79: 292-296
- **Synthesis and evaluation of [H-3]LRRK2-IN-1 as a novel radioligand for in vitro and in vivo studies on LRRK2**  
Malik, N., Gifford, A., Sandell, J., Tuchman, D., Ding, Y.  
WILEY.2017: S40-S41
- **Synthesis and in vitro and in vivo evaluation of a novel radioligand for LRRK2**  
Malik, N., Tuchman, D., Sandell, J., Gifford, A., Ding, Y.  
SOC NUCLEAR MEDICINE INC.2017
- **Effects of high-fat diet on brown adipose tissue (BAT) activity in wild type vs. RAGE null mice**  
Malik, N., del Pozo, C., Song, F., Mendoza, S., Tuchman, D., Schmidt, A., Ding, Y.  
SOC NUCLEAR MEDICINE INC.2017
- **PET study of Brown Adipose Tissue (BAT) Activity in Mice Devoid of Receptor for Advanced Glycation End Product (RAGE)**  
Malik, N., Mendoza, S., Tuchman, D., Del Pozo, C., Diez, R., Schmidt, A., Ding, Y.  
WILEY.2017: S536
- **Processing Techniques of Algae-Based Materials** *ALGAE BASED POLYMERS, BLENDS, AND COMPOSITES: CHEMISTRY, BIOTECHNOLOGY AND MATERIALS SCIENCES*  
Iqbal, S. Z., Fazal-ur-Rehman, Malik, N., Rehman, K., Asi, M. R., Zia, K. M., Zuber, M., Ali, M.

2017; 671-686

- **A Limited Survey of Aflatoxins and Zearalenone in Feed and Feed Ingredients from Pakistan** *JOURNAL OF FOOD PROTECTION*  
Iqbal, S., Asi, M., Nisar, S., Zia, K., Jinap, S., Malik, N.  
2016; 79 (10): 1798-1801
- **Radiofluorination of PSMA-HBED via (AlF<sub>2</sub><sup>+</sup>)-F-18 Chelation and Biological Evaluations In Vitro** *MOLECULAR IMAGING AND BIOLOGY*  
Malik, N., Baur, B., Winter, G., Reske, S. N., Beer, A. J., Solbach, C.  
2015; 17 (6): 777-785
- **Biodistribution and delivery efficiency of unmodified tumor-derived exosomes** *JOURNAL OF CONTROLLED RELEASE*  
Smyth, T., Kullberg, M., Malik, N., Smith-Jones, P., Graner, M. W., Anchordoquy, T. J.  
2015; 199: 145-155
- **Synthesis of O-[2-[F-18]fluoro-3-(2-nitro-1H-imidazole-1-yl)propyl]tyrosine ([F-18]FNT) as a new class of tracer for imaging hypoxia** *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*  
Malik, N., Lin, X., Loeffler, D., Shen, B., Solbach, C., Reischl, G., Voelter, W., Machulla, H.  
2012; 292 (3): 1025-1033
- **Radiosynthesis of a new PSMA targeting ligand ([F-18]FPy-DUPA-Pep)** *APPLIED RADIATION AND ISOTOPES*  
Malik, N., Machulla, H., Solbach, C., Winter, G., Reske, S. N., Zlatopolskiy, B.  
2011; 69 (7): 1014-1018
- **A novel approach for imaging hypoxia: Tyrosine coupled with 2-nitroimidazole ([18F]FNT)**  
Malik, N., Lin, X., Loeffler, D., Shen, B., Solbach, C., Reischl, G., Machulla, H.  
SOC NUCLEAR MEDICINE INC.2011