Stanford



Noeen Malik, PhD

Industry Partnership Lead, Operations CRF-1701 Page Mill Rd, Rad/Molecular Imaging Program at Stanford

Bio

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 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

Operations Lead (CRF-Page Mill Facility)

CRF, MIPS, Stanford School of Medicine, Stanford | February 2025 — present

Industry Partnership Lead

CRF, MIPS, Stanford School of Medicine, Stanford | May 2024 — present

Lead Radiochemist (R & D Scientist Engineer 2)

CRF, MIPS, Stanford School of Medicine, Stanford | March 2023 — present

Physical Science Research Scientist

CRF, MIPS, Stanford School of Medicine, Stanford | January 2022 — March 2023

Responsibilities:

• Overseeing operations of new Page Mill Road Facilty (CRF-1701 Page Mill)

• R & D of radiopharmaceuticals for oncology and neuroscience

• Industrial collaborations and partnerships

• Drafting and filing drug applications with regulatory agencies (CMCs, INDs)

• Documentation control for audits and in compliance with FDA, Boards of Pharmacy, USP, NRC, and PET CGMP standards.

• Market strategic report for theragnostic-isotopes for Nextgen Cyclotron project

• CRF website development

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

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

PUBLICATIONS

- **Emerging Theranostic Radiometals (149Tb, 44Sc, 52Mn, 203Pb, 55Co)-Decay Diversity, Production Landscape, and Translational Imaging.** *Pharmaceuticals (Basel, Switzerland)*
  Malik, N., Lokesha, Y. U., Habte, F. G., Daldrup-Link, H. E.
  2026; 19 (6)

- **A radiolabeled dendrimer non-invasively identifies and tracks innate immune cell activation in a mouse model of experimental autoimmune encephalomyelitis.** *Nature communications*
  Kuo, R. C., Carlson, M. L., Reyes, S. T., Nagy, S. C., Kalita, M., Alam, I. S., Malik, N., Jackson, I. M., Acosta, C. J., Falk, I. N., Azevedo, E. C., Zhang, Y., Nichols, et al
  2026

- **Preliminary first-in-human safety and biodistribution study of [18F]-C-SNAT4, a caspase-3 triggered nanoaggregation PET tracer for apoptosis** *Society of Nuclear Medicine and Molecular Imaging*
  Song, H., Malik, N., Inay, G., Chen, T., Dai, S., Wang, T., Rao, J., Iagaru, A.

2026: 261650

- **Editorial: Radiolabeled Peptides in Cancer Imaging and Therapy-Emerging Isotopes** *PHARMACEUTICALS*
  Malik, N.
  2025; 18 (12)
- **[18F]Flurimedrimer, a Novel Nanomedicine Radiotracer, Selectively Targeting Activated Microglia in Human Brain**
  Moradi, F., Dunn, J., James, M., Malik, N., Park, J., Korn, R., El-Shaafey, N., Lomen-Hoerth, C., Shah, V., Cleland, J.
  SOC NUCLEAR MEDICINE INC.2025
- **Early detection and tracking of activated macrophages and microglia in a mouse model of multiple sclerosis using [18F]OP-801 PET imaging before and after a novel immunomodulatory drug**
  Kuo, R., Carlson, M., Malik, N., Reyes, S., Nagy, S., Kalita, M., Alam, I., Jackson, I., Beinat, C., Acosta, C., Falk, I., Azevedo, C., Avci, et al
  SOC NUCLEAR MEDICINE INC.2024
- **Illuminating pro-inflammatory myeloid cells in a murine model of multiple sclerosis using a new 18F-labeled GPR84-targeted radiotracer**
  Reyes, S., Kalita, M., Kuo, R., Straniero, V., Marsango, S., Pandrala, M., Malik, N., Jain, P., Suigo, L., Nagy, S., Wu, T., Valoti, E., Milligan, et al
  SOC NUCLEAR MEDICINE INC.2024
- **Development and comparison of two novel PET tracers for imaging proinflammatory receptor GPR84 in human cells and tissues**
  Nagy, S., Kalita, M., Jackson, I., Reyes, S., Kuo, R., Malik, N., Pandrala, M., Zhang, B., Marsango, S., Straniero, V., Suigo, L., Valoti, E., Alam, et al
  SOC NUCLEAR MEDICINE INC.2024
- **Doxorubicin induced senescence in the knee, a new mouse model to study degenerative arthritis**
  Suryadevara, V., Hajipour, M., Martin, A., Habte, F., Malik, N., Chang, E., Mangarova, D., Nernekli, K., Baratto, L., Adams, L. C., Cotton, J., Pichler, B., Beziere, et al
  OXFORD UNIV PRESS.2023: 409
- **PET imaging of focused-ultrasound enhanced delivery of AAVs into the murine brain.** *Theranostics*
  Ajenjo, J., Seo, J. W., Foiret, J., Wu, B., Raie, M. N., Wang, J., Fite, B. Z., Zhang, N., Malek, R., Beinat, C., Malik, N., Anders, D. A., Ferrara, et al
  2023; 13 (15): 5151-5169
- **Clinical Radiosynthesis and Translation of [18F]OP-801: A Novel Radiotracer for Imaging Reactive Microglia and Macrophages.** *ACS chemical neuroscience*
  Jackson, I. M., Carlson, M. L., Beinat, C., Malik, N., Kalita, M., Reyes, S., Azevedo, E. C., Nagy, S. C., Alam, I. S., Sharma, R., La Rosa, S. A., Moradi, F., Cleland, et al
  2023
- **Preclinical evaluation of 89Zr-Panitumumab for biology-guided radiotherapy.** *International journal of radiation oncology, biology, physics*
  Natarajan, A., Khan, S., Liang, X., Nguyen, H., Das, N., Anders, D., Malik, N., Oderinde, O. M., Chin, F., Rosenthal, E., Pratx, G.
  2023
- **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., Schirrmacher, R., Schaffer, P.
  2021; 211: 113005
- **Lewis Acid-Facilitated Radiofluorination of MN3PU: A LRRK2 Radiotracer** *MOLECULES*
  Malik, N., Bendre, S., Schirrmacher, 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.
  edited by 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 (AlF2+)-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
- **Fatty acids as a concept for probes in cardiologic PET/MR imaging.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
  Machulla, H. J., Malik, N.
  2014; 55 (11): 1917-8
- **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., Loffler, D., Shen, B., Solbach, C., Reischl, G., Machulla, H.
  SOC NUCLEAR MEDICINE INC.2011

PRESENTATIONS

- Dr. Noeen Malik: Repairing the Impaired Brain Machinery
- ACS California Chapter - Leveraging Science Driven Research With Entrepreneurial Vim Key Gaps & Essential Toolkit (Dr.Noeen)
- Menstrual Hygiene: A Dilemma in Africa - Noeen Malik
- DR. NOEEN MALIK: The Making of the SCWIST Science Symposium
- Join Our Campaign: Menstruation & Hygiene - Great Lakes Peace Center (Uganda) & Endorse Hope
- Wow! You do WHAT?! – Noeen Malik, head radiochemist and industry partnership lead - Stanford Medicine
- EP 90 Dr. Noeen Malik | CEO & Founder, Scientudio Inc.
- TURNING SOMETHING IMPOSSIBLE INTO POSSIBLE: DR. NOEEN MALIK