Stanford

Stavros Melemenidis

Postdoctoral Research Fellow, Radiation Physics

NIH Biosketch available Online | Curriculum Vitae available Online | Resume available Online

Bio

BIO

For the past 4 years as a post-doctorate fellow at the Department of Radiation Oncology, Stanford University, I have dedicated my work on the development of primary cancer and metastatic tumor-mouse models for the purpose of investigating immune cell migration, early detection of disease, and clinically relevant therapy combining radiation with novel drugs. My training as a doctorate candidate and during my brief post-doctorate appointment in the Department of Radiation Oncology, Oxford University UK has equipped me with a deep understanding of the molecularly targeted in vivo imaging with the use of contrast agents for early detection of metastasis. As a physics undergraduate and graduate student at the Department of Physics, Liverpool University UK, I have developed deep knowledge in all types of radiation and their implication in the entire spectrum of imaging modalities and medical radiation treatment.

HONORS AND AWARDS

- Invited presentation, Oxford Cancer Imaging Center Retreat (2013, 2014)
- Invited presentation, Oxford Institute Metastasis Symposium (2014)
- Poster Prize, Aegean Conferences - 3rd International Conference for Tumour Microenvironment and Cellular Stress (2014)
- Recognition of excellent research, Aegean Conferences - 12th International Conference on Complement Therapeutics (2019)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Oxford (2015)
- Master of Science, University of Oxford (2010)
- Master of Science, University Of Liverpool (2009)
- Bachelor of Science, University Of Liverpool (2008)
- Associate in Engineering, IIEK Neapoleos, Greece (2000)

STANFORD ADVISORS

- Edward Graves, Postdoctoral Research Mentor
- Edward Graves, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Theranostic nanoparticles enhance the response of glioblastomas to radiation** *Nanotheranostics*
  Wu, W., Klockow, J. L., Mohanty, S., Ku, K. S., Daldrup-Link, H. E.
  2019; 3(4) (299-310)

- **The tumour microenvironment links complement system dysregulation and hypoxic signalling.** *The British journal of radiology*
  Olcina, M. M., Kim, R. K., Melemenidis, S., Graves, E. E., Giaccia, A. J.
  2018: 20180069

- **Macrophages Promote Circulating Tumor Cell-Mediated Local Recurrence Following Radiation Therapy in Immunosuppressed Patients.** *Cancer research*
  Rafat, M., Aguilera, T. A., Vilalta, M., Bronsart, L. L., Soto, L. A., von Eyben, R., Golla, M. A., Ahrari, Y., Melemenidis, S., Afghahi, A., Jenkins, M. J., Kurian, A. W., Horst, et al
  2018

- **Molecular magnetic resonance imaging of angiogenesis in vivo using polyvalent cyclic RGD-iron oxide microparticle conjugates.** *Theranostics*
  Melemenidis, S., Jefferson, A., Ruparelia, N., Akhtar, A. M., Xie, J., Allen, D., Hamilton, A., Larkin, J. R., Perez-Balderas, F., Smart, S. C., Muschel, R. J., Chen, X., Sibson, et al
  2015; 5 (5): 515–29