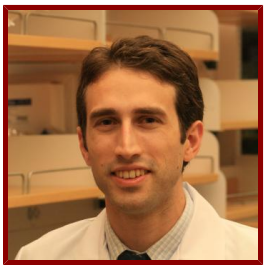
Stanford



Alexander Michael Vezeridis, MD, PhD

Assistant Professor of Radiology (Interventional Radiology)

CLINICAL OFFICE (PRIMARY)

- **Diagnostic Radiology**

  300 Pasteur Dr Rm S078

  MC 5105

  Stanford, CA 94305

  Tel (650) 498-7018 **Fax** (650) 725-0533

Bio

BIO

Alexander Vezeridis MD, PhD is an Assistant Professor of Radiology at Stanford University School of Medicine, and a physician-scientist specializing in Interventional Radiology. His clinical expertise includes interventional oncology, biliary disease and endoscopy, venous disease, portal hypertension, urologic interventions, women's and men's health interventions, and general vascular/interventional radiology.

Dr. Vezeridis is an active researcher with expertise in translational techniques in engineering to make image-guided interventions safer and more effective for patients.

Dr. Vezeridis obtained his undergraduate, MD, and PhD degrees from Boston University. He completed a two year post-doctoral training at UC San Diego in ultrasound molecular imaging under the auspices of the Cancer Researchers in Nanotechnology (CRIN) R25T, followed by residency and fellowship at UC San Diego.

Dr. Vezeridis is highly committed to training the next generation, including students, residents, fellows, and engineering graduate students through co-directing Bio301B.

Dr. Vezeridis has a strong interest in medical device development and commercialization, and completed the Stanford Biodesign Faculty Fellowship.

CLINICAL FOCUS

- Vascular and Interventional Radiology

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Radiology
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Stanford Cancer Institute

PROFESSIONAL EDUCATION

- Residency: UCSD Dept of Radiology (2018) CA
- Board Certification: Interventional Radiology and Diagnostic Radiology, American Board of Radiology (2021)
- Medical Education: Boston University School of Medicine (2011) MA
- PhD Training: Boston University School of Medicine (2009) MA
- Fellowship: UCSD Vascular and Interventional Radiology Fellowship (2019) CA
- Internship: Beth Israel Deaconess Medical Center General Surgery Residency (2012) MA

Teaching

STANFORD ADVISEES

Doctoral Dissertation Reader (NonAC)

Audrey Shih

Publications

PUBLICATIONS

- **Single-shot quantitative x-ray imaging using a primary modulator and dual-layer detector.** *Medical physics*
  Shi, L., Bennett, N. R., Vezeridis, A., Kothary, N., Wang, A. S.
  2023

- **Research Priorities in Percutaneous Image and Endoscopy Guided Interventions for Biliary and Gallbladder Diseases: Proceedings from the Society of Interventional Radiology Foundation Multidisciplinary Research Consensus Panel.** *Journal of vascular and interventional radiology : JVIR*
  Riaz, A., Trivedi, P., Aadam, A. A., Katariya, N., Matsuoka, L., Malik, A., Gunn, A. J., Vezeridis, A., Sarwar, A., Schlachter, T., Harmath, C., Srinivasa, R., Abi-Jaoudeh, et al
  2022

- **The Role of Physician-Driven Device Preference in the Cost Variation of Common Interventional Radiology Procedures.** *Journal of vascular and interventional radiology : JVIR*
  Shivakumar, V., Bundorf, M. K., Vezeridis, A. M., Kothary, N.
  2021

- **Comparison of Opioid Medication Use after Conventional Chemoembolization versus Drug-Eluting Embolic Chemoembolization.** *Journal of vascular and interventional radiology : JVIR*
  Khalaf, M. H., Shah, R. P., Green, V., Vezeridis, A. M., Liang, T., Kothary, N.
  2020

- **Fluorous-phase iron oxide nanoparticles as enhancers of acoustic droplet vaporization of perfluorocarbons with supra-physiologic boiling point** *JOURNAL OF CONTROLLED RELEASE*
  Vezeridis, A. M., Lux, C., Barnhill, S. A., Kim, S., Wu, Z., Jin, S., Lux, J., Gianneschi, N. C., Mattrey, R. F.
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- **Contrast-enhanced ultrasound of the liver: technical and lexicon recommendations from the ACR CEUS LI-RADS working group** *ABDOMINAL RADIOLOGY*
  Lyshchik, A., Kono, Y., Dietrich, C. F., Jang, H., Kim, T., Piscaglia, F., Vezeridis, A., Willmann, J. K., Wilson, S. R.
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- **Contrast-enhanced ultrasound (CEUS) liver imaging reporting and data system (LI-RADS) 2017 - a review of important differences compared to the CT/MRI system** *CLINICAL AND MOLECULAR HEPATOLOGY*
  Kim, T., Noh, S., Wilson, S. R., Kono, Y., Piscaglia, F., Jang, H., Lyshchik, A., Dietrich, C. F., Willmann, J. K., Vezeridis, A., Sirlin, C. B.
  2017; 23 (4): 280–89

- **Thrombin-Activatable Microbubbles as Potential Ultrasound Contrast Agents for the Detection of Acute Thrombosis** *ACS APPLIED MATERIALS & INTERFACES*

Lux, J., Vezeridis, A. M., Hoyt, K., Adams, S. R., Armstrong, A. M., Sirsi, S. R., Mattrey, R. F.
2017; 9 (43): 37587–96

- **Polymer-Stabilized Perfluorobutane Nanodroplets for Ultrasound Imaging Agents** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Huang, Y., Vezeridis, A. M., Wang, J., Wang, Z., Thompson, M., Mattrey, R. F., Gianneschi, N. C.
  2017; 139 (1): 15–18

- **Contrast Enhanced Ultrasound (CEUS) Liver Imaging Reporting and Data System (LI-RADS®): the official version by the American College of Radiology (ACR).** *Ultraschall in der Medizin*
  Kono, Y., Lyshchik, A., Cosgrove, D., Dietrich, C. F., Jang, H., Kim, T. K., Piscaglia, F., Willmann, J. K., Wilson, S. R., Santillan, C., Kambadakone, A., Mitchell, D., Vezeridis, et al
  2017; 38 (1): 85-86

- **Evaluation of Knee Donor and Elbow Recipient Sites for Osteochondral Autologous Transplantation Surgery in Capitellar Osteochondritis Dissecans** *AMERICAN JOURNAL OF SPORTS MEDICINE*
  Vezeridis, A. M., Bae, D. S.
  2016; 44 (2): 511–20

- **In Vivo Transfection and Detection of Gene Expression of Stem Cells Preloaded with DNA-carrying Microbubbles** *RADIOLOGY*
  Tavri, S., Vezeridis, A., Cui, W., Mattrey, R. F.
  2015; 276 (2): 518–25

- **apoE3[K146N/R147W] acts as a dominant negative apoE form that prevents remnant clearance and inhibits the biogenesis of HDL** *JOURNAL OF LIPID RESEARCH*
  Fotakis, P., Vezeridis, A., Dafnis, I., Chroni, A., Kardassis, D., Zannis, V. I.
  2014; 55 (7): 1310–23

- **A(2b) Adenosine Receptor Regulates Hyperlipidemia and Atherosclerosis** *CIRCULATION*
  Koupenova, M., Johnston-Cox, H., Vezeridis, A., Gavras, H., Yang, D., Zannis, V., Ravid, K.
  2012; 125 (2): 354–U389

- **Biophysical Analysis of Apolipoprotein E3 Variants Linked with Development of Type III Hyperlipoproteinemia** *PLOS ONE*
  Georgiadou, D., Chroni, A., Vezeridis, A., Zannis, V. I., Stratikos, E.
  2011; 6 (11): e27037

- **Apolipoprotein E3 mutants linked with development of Type III Hyperlipoproteinemia alter the protein's thermodynamic properties**
  Georgiadou, D., Chroni, A., Vezeridis, A., Zannis, V. I., Stratikos, E.
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- **Domains of apoE4 required for the biogenesis of apoE-containing HDL** *ANNALS OF MEDICINE*
  Vezeridis, A. M., Chroni, A., Zannis, V. I.
  2011; 43 (4): 302–11

- **Molecular etiology of a dominant form of type III hyperlipoproteinemia caused by R142C substitution in apoE4** *JOURNAL OF LIPID RESEARCH*
  Vezeridis, A. M., Drosatos, K., Zannis, V. I.
  2011; 52 (1): 45–56

- **Discrete roles of apoA-I and apoE in the biogenesis of HDL species: Lessons learned from gene transfer studies in different mouse models**
  Zannis, V. I., Koukos, G., Drosatos, K., Vezeridis, A., Zanni, E. E., Kypreos, K. E., Chroni, A.
  INFORMA HEALTHCARE.2008: 14–28