Stanford



Javier Ajenjo Barcenas

Physical Sci Res Scientist, Rad/Molecular Imaging Program at Stanford

Bio

BIO

Javier received his MSci from the University Complutense in Madrid (Spain). He then moved to Prague (Czech Republic) where he earned his PhD degree in Chemistry from Univerzita Karlova under the supervision of Dr Petr Beier at IOCB, working on the synthesis and derivatization of hypervalent sulfur fluorides. During this period, he also took part as ESR of FLUOR21 initial training network led by Prof Graham Sandford (Durham University) and collaborated with F2 Chemicals Ltd. Later, he joined the University of Oxford (UK) as a postdoctoral research fellow to work on the synthesis and biological evaluation of F18-labeled ATM inhibitors under the supervision of Prof Bart Cornelissen. In 2021, he joined Ferrara lab as a postdoctoral scholar to work on the development of radiochemistry methods and the synthesis of therapeutics for medical imaging.

ACADEMIC APPOINTMENTS

- Physical Sci Res Scientist, Rad/Molecular Imaging Program at Stanford

HONORS AND AWARDS

- Young Investigator Award, 8th International Symposium on Focused Ultrasound (Focused Ultrasound Foundation) (2022)
- Poster award - Ultrasound-enhanced delivery of [64Cu]Cu-AAV assessed by PET, World Molecular Imaging Congress (WMIC) (2022)
- Poster award - Improving access to sulfur pentafluorides by direct fluorination of disulfides, 23rd Winter Fluorine Conference (2017)

LINKS

- LinkedIn: https://www.linkedin.com/in/javierajenjo/

Publications

PUBLICATIONS

- **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

- **Radiofluorination of a highly potent ATM inhibitor as a potential PET imaging agent** *EJNMMI RESEARCH*
  Fraser, C., Ajenjo, J., Veal, M., Dias, G., Chan, C., O'Neill, E., Destro, G., Lau, D., Pacelli, A., Gouverneur, V., Hueting, R., Cornelissen, B.
  2022; 12 (1): 50

- **Multimodal imaging of capsid and cargo reveals differential brain targeting and liver detargeting of systemically-administered AAVs.** *Biomaterials*
  Seo, J. W., Ajenjo, J., Wu, B., Robinson, E., Raie, M. N., Wang, J., Tumbale, S. K., Buccino, P., Anders, D. A., Shen, B., Habte, F. G., Beinat, C., James, et al
  2022: 121701

- **Closing the gap between 19F and 18F chemistry.** *EJNMMI radiopharmacy and chemistry*
  Ajenjo, J., Destro, G., Cornelissen, B., Gouverneur, V.
  2021; 6 (1): 33

- **Preparation of (Pentafluorosulfanyl)benzenes by Direct Fluorination of Diaryldisulfides: Synthetic Approach and Mechanistic Aspects** *CHEMISTRY-A EUROPEAN JOURNAL*
  Ajenjo, J., Klepetarova, B., Greenhall, M., Bim, D., Culka, M., Rulisek, L., Beier, P.
  2019; 25 (48): 11375-11382

- **Synthesis and nucleophilic aromatic substitution of 3-fluoro-5-nitro-1-(pentafluorosulfanyl)benzene** *BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY*
  Ajenjo, J., Greenhall, M., Zarantonello, C., Beier, P.
  2016; 12: 192-197