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Computational Biology
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Advancing Personalized Cancer Immunotherapy Through AI-guided Structural Bioinformatics

Dinler is a computational biologist interested in Biomedical applications, including cancer immunotherapy, antiviral vaccine development, and drug discovery. He has a background in immunology and virology, and is currently an Associate Professor in Computational Biology at the Department of Biology and Biochemistry at the University of Houston. His research focuses on developing structural bioinformatics methods that can be used to improve peptide-target selection and off-target toxicity prediction in personalized cancer immunotherapy. He is also broadly interested in problems related to protein ligand modeling and simulation, especially in which regards to peptide and peptidomimetic inhibitors. Dr. Antunes is also a former Keck postdoctoral fellow of the Computational Cancer Biology Training Program (CCBTP). More at dinlerantunes.com.

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