

# Combi Seminar

Wednesday, 2.23.22 | 1:30

held remotely: <https://depts.washington.edu/gstrestrc/remote.htm>

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**Dr. David Baker**

University of Washington

## “Protein design using deep learning”

We seek to understand the fundamental principles underlying protein structure and function, to encode these principles in the Rosetta computer program, and to use them to create a new world of *de novo* designed proteins to address 21st-century challenges in health and technology. In all cases, we start entirely from first principles; we do not re-engineer native proteins. By iterating between computation and experiment, we continually improve our design methodology.

<https://www.bakerlab.org/>

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Questions? Contact Brian Giebel at [bgiebel@uw.edu](mailto:bgiebel@uw.edu) or visit the Combi website at <http://www.gs.washington.edu/news/combi.htm>

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