

# STUDENT POSITIONS IN THEORETICAL AND NUMERICAL ASTROPHYSICS WITH Tal Alexander

MSc and PhD positions are available with Prof Tal Alexander (Weizmann) to work on challenging, cutting-edge questions related to fundamental stellar dynamical processes near massive black holes in galactic centers. The positions are associated with a recently acquired large European Research Council grant. In addition to providing ample money for equipment and travel, this grant funds a very large high-performance computing cluster ("super-computer") to carry out numerical simulations in support of theoretical studies of topics such as:

**Dynamics of gravitational wave sources, dynamical relaxation processes near massive black holes and close interactions between stars, compact objects and massive black holes.**

Part of the research will be carried out in close collaboration with leading observational and numerical groups in Europe and the US. For admission policy, see the web pages of the Feinberg Graduate

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