# Request for Grex Resources

**0. The Applicant**

Name of PI *[last, first]*:

Department:

Faculty:

Email:

Telephone:

**1. Introduction to the Research Problem and Research Justification**

*Outline the research problem for each project, its importance/relevance, as well as your general objectives. [¼-½ page]*

**2. Training and Support of HQP**

*Describe how this allocation will support the training of Highly Qualified Personnel (HQP) that are reported on the online form. [¼ page]*

**3. Technical Justification**

*This section addresses the technical details of your computational and/or storage needs for each project to ensure that resources are used as efficiently as possible, that requests are reasonable, and appropriate for the system being used.* *[½ page]*

**Code Details, Performance & Utilization**

*List any software requirements associated with your application. Is anything specific to be considered regarding code performance when allocating resources for your project, (e.g., if there are particular operating system or processor architectures for which the code is best suited, or if it is known to scale efficiently to a certain number of cores) please provide additional information here - otherwise leave blank.*

**Allocatable Compute Requirements (if applicable)**

*Specify your compute requirements, in CPU cores per year (Core Years). In this document, please justify the stated computing needs and describe your level of confidence and experience with HPC computing use. Explain how you estimated the total amount of compute time required for this project.*

**Memory Requirements**

*Specify memory requirements for the Allocatable compute above, either per-core or per-node. If there is any additional information you would like to provide regarding memory requirements, please provide additional information here - otherwise leave blank.*

**Additional Compute Requirements (Legacy and GPUs) (if applicable)**

*Please highlight your interest in GPU compute nodes and needs, if any, of the Legacy compute nodes (for example, running massive parallel codes across hundreds of nodes). GPUs and Legacy nodes are not RAC allocatable, so these do not count towards your total Core-Years request above!*

**Storage Requests (complete only if required)**

*Specify your storage requirements. Please justify your stated storage needs and explain how you estimated the total amount of storage required for this project. If your storage needs do not exceed the RAS limit of 4TB/group, leave blank.*

**4. Progress Since Last local RAC Round**

*Please identify which of your publications were enabled by your use of Grex local compute resources.* *Please highlight any notable Grex local RAC-enabled research that you have performed. This may refer to publications record, or it may be a work in progress.*