Senate Updates: December 2023

Claudia Neuhauser, PhD
Interim VP Research
OCG—Hiring

- OCG Staffing: 28 filled/8 open
  - Leadership: 4/0
  - Research Administrative Services:
    - Pre-award: 1/1
    - Post-award: 10/3
    - Contracts: 1/2
  - Research Systems and Reporting: 2/0
  - Research Financial Services: 10/2

- Students: 2
Functions: Tracking processing times since January

**Phase 1**
- **Go Live:** 01/09/2023
  - Award
    - Award Setup
    - Monetary Modification
    - No-Cost Extension
    - General Award Inquiry
  - Contract
    - General Contract Inquiry
  - Proposal
    - General Proposal Inquiry

**Phase 2**
- **Projected Go Live:** 12/15/2023
  - Award
    - Subaward Setup
    - Subaward Modification
    - General Subaward Inquiry

**Phase 3**
- **Projected Go Live:** 02/15/2024
  - Award
    - Interim Funding
    - Pre-IRB Funding
    - Additional functions identified from General Inquiries
  - Proposal
    - Interim Funding
    - Additional functions identified from General Inquiries

**Phase 4**
- **Projected Go Live:** 06/01/2024
  - Contract
    - Consortium
    - Data Use Agreement
    - Master Agreement
    - Material Transfer
    - Memorandum of Understanding
    - NDA/Confidentiality
    - Other-Custom Contracts
  - Award
    - Award Closeout
The queue started shrinking in August...

Data from November 27

November: 245 pending items by month
Queue by Creation Data (Dec 11)

About 80% of Award Setup, Monetary Modification, and No-Cost Extensions are from Sep/Oct/Nov
Communication and Training

- To the Research Community
  - Research Forum
  - Inside Research
  - New rules and regulations
  - Funding opportunities
- To Research Administrators
  - Research Administration Forum
  - Society for Research Administrators
  - International Training Modules
  - New rules and regulations
  - Roles and responsibilities
Research Security

• Top Issues
  • Export Controls
  • Cybersecurity and Data Management
  • Malign Foreign Talent Recruitment Program
  • ORCID

• Communication
  • Research Forum
  • Research Administration Forum
  • Inside Research
  • Website
  • …
Core Facilities

- New website:
  - [https://www.uh.edu/research/about/core-facilities/](https://www.uh.edu/research/about/core-facilities/)

- Five priority areas
  - Advanced Manufacturing
  - Advanced Materials
  - Imaging and Scanning
  - Data and Sensing
  - Automation and Autonomy

- Faculty committees
  - Reports March 2022

- Chancellor’s approval
  - May 2022

---

University-wide Core Facilities

Advanced manufacturing, advanced materials, imaging and scanning, data and sensing, and automation and autonomy are five priority areas that will be addressed in the Core Facilities initiative.

- New website: [https://www.uh.edu/research/about/core-facilities/](https://www.uh.edu/research/about/core-facilities/)
- Five priority areas
  - Advanced Manufacturing
  - Advanced Materials
  - Imaging and Scanning
  - Data and Sensing
  - Automation and Autonomy
- Faculty committees
  - Reports March 2022
- Chancellor’s approval
  - May 2022
Primary Clusters of Core Facilities

This is a high-level overview of the geographic location of core facility themes. Most clusters have core facilities that overlap with other themes.
# Core Facilities

<table>
<thead>
<tr>
<th>Area</th>
<th>Facility</th>
<th>Expected Completion</th>
<th>Faculty Advisory Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Tools</td>
<td>MALDI TOF Core</td>
<td>Completed 2022</td>
<td>YES</td>
</tr>
<tr>
<td>Data and Sensing</td>
<td>Digital Humanities</td>
<td>Completed 2023</td>
<td>YES</td>
</tr>
<tr>
<td>Imaging</td>
<td>Environmental Sensing</td>
<td>Summer 2024</td>
<td>YES</td>
</tr>
<tr>
<td>Imaging</td>
<td>Advanced Imaging Core</td>
<td>Summer 2024/Fall 2024 (2 locations)</td>
<td>YES</td>
</tr>
<tr>
<td>Advanced Materials</td>
<td>Electron Microscopy</td>
<td>Fall 2024</td>
<td>YES</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>Advanced Manufacturing (Superconductivity)</td>
<td>Spring/Summer 2025 (18-month lead time)</td>
<td>NO</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>Battery Prototype Facility</td>
<td>Spring/Summer 2025 (equipment selection ongoing)</td>
<td>NO</td>
</tr>
</tbody>
</table>

- **Website:**
  - [https://www.uh.edu/research/about/core-facilities/](https://www.uh.edu/research/about/core-facilities/)

- **Not yet started**
  - Core Facility for Autonomy
  - Robotics
  - Virtual and Augmented Reality
  - UAV Flight Arena
  - 3D Printer
  - Elemental Analysis Core Facility
  - Advanced Surface Analysis
  - CRAFT Lab
## Core Facilities

<table>
<thead>
<tr>
<th>Area</th>
<th>Facility</th>
<th>Expected Completion</th>
<th>Faculty Advisory Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Tools</td>
<td>MALDI TOF Core</td>
<td>Completed 2022</td>
<td>YES</td>
</tr>
<tr>
<td>Data and Sensing</td>
<td>Digital Humanities</td>
<td>Completed 2023</td>
<td>YES</td>
</tr>
<tr>
<td>Imaging</td>
<td>Environmental Sensing</td>
<td>Summer 2024</td>
<td>YES</td>
</tr>
<tr>
<td>Imaging</td>
<td>Advanced Imaging Core</td>
<td>Summer 2024/Fall 2024 (2 locations)</td>
<td>YES</td>
</tr>
<tr>
<td>Advanced Materials</td>
<td>Electron Microscopy</td>
<td>Fall 2024</td>
<td>YES</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>Advanced Manufacturing (Superconductivity)</td>
<td>Spring/Summer 2025 (18-month lead time)</td>
<td>NO</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>Battery Prototype Facility</td>
<td>Spring/Summer 2025 (equipment selection ongoing)</td>
<td>NO</td>
</tr>
</tbody>
</table>

For more information and access to the equipment, contact: Anton Agarkov, Ph.D. email: aagarkov@central.uh.edu

Bruker MALDI TOF/TOF ultrafleXtreme mass spectrometer.
## Core Facilities

<table>
<thead>
<tr>
<th>Area</th>
<th>Facility</th>
<th>(Expected) Completion</th>
<th>Faculty Advisory Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Tools</td>
<td>MALDI TOF Core</td>
<td>Completed 2022</td>
<td>YES</td>
</tr>
<tr>
<td>Data and Sensing</td>
<td>Digital Humanities</td>
<td>Completed 2023</td>
<td>YES</td>
</tr>
<tr>
<td>Imaging</td>
<td>Environmental Sensing</td>
<td>Summer 2024</td>
<td>YES</td>
</tr>
<tr>
<td>Imaging</td>
<td>Advanced Imaging Core</td>
<td>Summer 2024/Fall 2024 (2 locations)</td>
<td>YES</td>
</tr>
<tr>
<td>Advanced Materials</td>
<td>Electron Microscopy</td>
<td>Fall 2024</td>
<td>YES</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>Advanced Manufacturing (Superconductivity)</td>
<td>Spring/Summer 2025 (18-month lead time)</td>
<td>NO</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>Battery Prototype Facility</td>
<td>Spring/Summer 2025 (equipment selection ongoing)</td>
<td>NO</td>
</tr>
</tbody>
</table>

Collaboration: DOR, Libraries, HPE DSI
- RECLAIM Hosting
- Micro-credentialing

For more information about the Digital Humanities Core, please contact DHC staff at dhcf@uh.edu.
# Core Facilities

<table>
<thead>
<tr>
<th>Area</th>
<th>Facility</th>
<th>(Expected) Completion</th>
<th>Faculty Advisory Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Tools</td>
<td>MALDI TOF Core</td>
<td>Completed 2022</td>
<td>YES</td>
</tr>
<tr>
<td>Data and Sensing</td>
<td>Digital Humanities</td>
<td>Completed 2023</td>
<td>YES</td>
</tr>
<tr>
<td>Imaging</td>
<td>Environmental Sensing</td>
<td>Summer 2024</td>
<td>YES</td>
</tr>
<tr>
<td>Imaging</td>
<td>Advanced Imaging Core</td>
<td>Summer 2024/Fall 2024 (2 locations)</td>
<td>YES</td>
</tr>
<tr>
<td>Advanced Materials</td>
<td>Electron Microscopy</td>
<td>Fall 2024</td>
<td>YES</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>Advanced Manufacturing (Superconductivity)</td>
<td>Spring/Summer 2025 (18-month lead time)</td>
<td>NO</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>Battery Prototype Facility</td>
<td>Spring/Summer 2025 (equipment selection ongoing)</td>
<td>NO</td>
</tr>
</tbody>
</table>

SEM Axia: operational Future equipment
- Plasma Focused Ion Beam (pFIB)
- Transmission Electron Microscope (TEM)

For more information, contact Dr. Francisco C. Robles Hernandez at fcrobles@uh.edu
We serve the research community by satisfying client requirements, ensuring research compliance, and protecting the University’s intellectual and financial interests.

We lead the university by managing institutional research priorities and supporting a broader view of individual and small-group research.