FY21 RESEARCH PILOT AWARDS

Overview and Concept Note Submission Guidelines

The Translational Data Analytics Institute (TDAI) research pilot program is designed to develop and advance compelling interdisciplinary team science and scholarship by TDAI core faculty and affiliates that has the translational potential to benefit the greater good and is not supported by traditional funding mechanisms. To maximize university resources, TDAI partners with other Discovery Theme institutes and OSU entities to support interdisciplinary projects around themes that reflect shared strategic priorities and interest areas.

In addition to providing financial and in-kind support for projects, TDAI’s research pilot program includes working sessions to refine concepts and develop teams, and coaching and research development support by TDAI staff and faculty leadership. Final awards may include funding, space in Pomerene Hall, access to data and computing resources, and more. Projects not receiving an award may still be eligible for in-kind assistance with activities such as identifying other funding opportunities and engaging collaborators.

- TDAI affiliates and core faculty are invited to submit a concept note in accordance with the guidelines below. (Not a TDAI affiliate? Join at www.tdai.osu.edu/join-tdai/)

AWARD TYPES, ELIGIBILITY, PROCESS AND COMPONENTS

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Accelerator Grants</th>
<th>Catalyst Grants New!</th>
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</thead>
<tbody>
<tr>
<td>Who Is Eligible</td>
<td>Interdisciplinary teams of TDAI affiliates or core faculty that seek to develop or advance projects or teams</td>
<td>Interdisciplinary teams that include one or more TDAI core faculty members and seek to initiate new projects or teams Note: Other team members must be TDAI affiliates.</td>
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</tbody>
</table>
| Required Application Steps (See definitions below) | 1. Concept Note (open call)  
2. Mandatory quad chart workshop (by invitation)  
3. Quad chart (by invitation)  
4. Q&A with TDAI leadership team (by invitation)  
5. Proposal (by invitation) | 1. Concept Note (open call)  
2. Q&A with TDAI leadership team (by invitation)  
3. Proposal (by invitation) |
| Possible Award Components | - Up to $50,000  
- Negotiated access to restricted or pay-for-use OSU assets  
- Priority TDAI space usage  
- Compute resources  
- Data storage and sharing resources  
- Personnel resources (e.g., TDAI postdoc fellows, data analytics undergrads, capstones, interns)  
- Research development support | - Up to $10,000  
- Priority TDAI space usage  
- Compute resources  
- Data storage and sharing resources  
- Data analytics undergrad resources |
| Post-Award Components | - Coaching  
- Midyear and final outcome check-ins  
- Proposal development support for next step(s) | - Coaching  
- Midyear and final outcome check-ins  
- Proposal development support for next step(s) |
Concept notes are similar to letters of intent and provide a brief summary of a team’s research interest(s) related to the specific topics of this call. TDAI’s leadership team and partners review them to identify potential areas of collaboration, overlap and/or synergies with other concepts and initiatives. Teams may submit more than one concept, and researchers may be on more than one team.

Quad chart workshops convene invited teams to refine concepts, explore possibilities for collaboration and maximizing resources, and begin developing one-page quad charts. Following the workshop, teams submit a quad chart. Note: workshop attendance is mandatory to receive an award; submission of a concept note will be considered a commitment of availability by one or more project team members to attend the workshop on Friday, Nov. 6, 2-5 p.m.

Quad charts are one-page documents submitted by invitation that use a provided template to outline the project’s significance and goals, approach and methodologies, anticipated outcomes and stakeholder impact, potential sources of future extramural support, timeline, and budget and resources needed. They are scored by peer reviewers, resourcing partners and TDAI leadership team members with relevant expertise.

Q&A’s are meetings with TDAI’s leadership team in which invited project teams present their quad chart, ask and answer questions, and receive feedback and coaching on proposal development such as approach and team composition.

Proposals are submitted by invitation and reviewed and scored by TDAI’s leadership team based on the degree to which the proposal addresses previous rounds of feedback and concerns.

PROJECT REQUIREMENTS
To be considered for a TDAI award, a proposed research pilot is required to:
- Align with goals outlined in the TDAI strategic plan
- Foster team science or scholarship representing two or more disciplines from multiple colleges. Teams are encouraged to consider ideas that span three or more disciplines.
- Must have an explicit data science component
- Be innovative and convergent across multiple disciplines
- Map to near-term extramural funding or publishing opportunities
- Be completed within one year of receiving the award

Priority will be given to projects that:
- Are led by TDAI core faculty
- Address issues around racial injustice through project approach and design, engagement of stakeholders, partnering relationships, translational societal impact and/or other aspects
- Include student or trainee development
- Are inclusive of underrepresented minorities through project scope and/or team composition
- Lead to long-term collaborations
- Actualize translational impact via direct end-user stakeholder engagement, OSU programs and/or broad dissemination of research results
- Use and/or create assets that can be utilized by others in the TDAI community, e.g., analytic tools or data repositories
- Leverage other resources or cost-sharing opportunities (note: cost-sharing is not required)

It is expected that:
- TDAI’s leadership team and resourcing partners will work with the project team to shape proposals as needed, identify and secure resources, resolve technical hurdles, identify and pursue future extramural funding and publishing opportunities, develop external partnerships, and disseminate project outcomes as appropriate.
- Recipients will provide mid- and end-of-year reviews to the TDAI leadership team.
- TDAI’s support will be acknowledged in publications, presentations and publicity of any materials based on or developed under this project.
RESEARCH TOPICS New!
All topics for interdisciplinary team research, scholarship or curriculum development that meet the requirements above are welcome. TDAI and its resourcing partners are also keenly interested in the following topics:

AI in Health: developing tools and techniques for using AI to improve health care delivery and patient outcomes

Environment and Sustainability: environmental, economic and individual sustainability concerns related to living in the interconnected natural world, including precision agriculture, smart cities, AI for conservation, and more.

Responsible and Just Data: foundational or applied research around the use and/or study of data science and analytics to address and prevent systemic racism and social inequities, advance fairness and ethics, and foster social justice.

KEY DATES

<table>
<thead>
<tr>
<th>Accelerator Grants</th>
<th>Catalyst Grants</th>
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<tbody>
<tr>
<td>RFP issued</td>
<td>RFP issued</td>
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<tr>
<td>Sept. 24 (Th)</td>
<td>Sept. 24 (Th)</td>
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<tr>
<td>Optional information session</td>
<td>Optional information session</td>
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<tr>
<td>Oct. 5, 11:30a-12:30p (M)</td>
<td>Oct. 5, 11:30a-12:30p (M)</td>
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<tr>
<td>Concept notes due</td>
<td>Concept notes due</td>
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<tr>
<td>Oct. 16, 5 p.m. ET (F)</td>
<td>Oct. 16, 5 p.m. ET (F)</td>
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<tr>
<td>Workshop invites issued</td>
<td>Q&amp;A invites issued</td>
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<td>Oct. 30 (F)</td>
<td>Oct. 30 (F)</td>
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<tr>
<td>Mandatory Quad Chart Workshop</td>
<td>Q&amp;A’s with TDAI leadership team;</td>
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<tr>
<td>Nov. 6, 2-5 p.m. (F)</td>
<td>proposal invites issued</td>
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<tr>
<td>Quad charts due</td>
<td>Week of Nov. 9</td>
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<td>Nov. 30, 5 p.m. ET (M)</td>
<td>Proposals due</td>
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<tr>
<td>Q&amp;A invites issued</td>
<td>Dec. 4 by 5 p.m. ET (F)</td>
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<td>Dec. 21 (M)</td>
<td>Notice of awards</td>
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<tr>
<td>Q&amp;A’s with TDAI leadership team;</td>
<td>Dec. 21 (M)</td>
</tr>
<tr>
<td>proposal invites issued</td>
<td>Awards available</td>
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<tr>
<td>Jan. 6, 2021, 1:30 p.m. (W)</td>
<td>Jan. 8, 2021, or later</td>
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<tr>
<td>Proposals due</td>
<td>Mid-Year Check-In</td>
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<td>Jan. 22, 2021, 5 p.m. ET (F)</td>
<td>6 mos. from start date</td>
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<tr>
<td>Notice of awards</td>
<td>Outcomes &amp; Next Steps Review</td>
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<tr>
<td>Jan. 29, 2021 (F)</td>
<td>12 mos. from start date</td>
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<td>Awards available</td>
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<tr>
<td>Feb. 15, 2021, or later</td>
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AWARDS
The proposed period of performance must be one year or less, and total project budget should not exceed $50,000 for Accelerator Grants or $10,000 for Catalyst Grants. Funds may not be requested or used for travel, overhead, equipment (including laptops) or faculty salary. The number of awards per cycle depends upon availability of funds, partnerships, and amounts and types of resources requested.

TDAI and its resourcing partners will coordinate funds transfers with recipients’ unit fiscal officer; funds from TDAI will be transferred into a General Funds Spending Authority fund. All university and unit-specific policies and procedures must be followed for use of the funds. TDAI business expenditure policies cannot override unit-specific policies.
Funding release can be aligned with the academic year to facilitate release time and graduate student appointments. No-cost extensions are not permitted. The spring award start date can be delayed to the following summer or fall semester if the award is intended to support a graduate student for one year.

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**Concept Note Submission Guidelines**

**Concept Note → Quad Chart Brainstorm Session → Quad Chart → Proposal → Award**

**EVALUATION**

Concept notes will be reviewed by the TDAI leadership team and potential resourcing partners to identify overlapping and/or synergistic ideas and issue invitations to the quad chart workshop.

Submission of a concept note will be considered a commitment of availability by the project team for one or more members to attend the mandatory quad chart workshop on **Friday, Nov. 6, 2-5 p.m.** Teams invited to the workshop who do not attend will be disqualified for the current funding cycle.

**KEY DATES**

- Concept notes due: **Friday, Oct. 16, by 5 p.m. ET**
- Applicants notified of selection for quad chart workshop: **Friday, Oct. 30**
- Mandatory quad chart workshop for selected teams: **Friday, Nov. 6, 2-5 p.m.**

**FORMATTING**

Concept notes must be:

- Two pages or less, excluding biosketches and conflict of interest statement
- Single-spaced with 1/2-inch margins and 11-point type
- Saved as a single PDF with the filename: ContactPILastName ContactPIFirstInitial - FY21 Concept Note - AbridgedProjectTitle

**REQUIRED CONTENT**

1. Title of proposed project
2. **Contact Principal Investigator** – Name, email, college/unit and department, biosketch
3. **Other Principal Investigator(s)** – Name, college/unit and department, biosketch
4. **Translational Impact** – Articulate the challenge your proposed research or concept addresses, its significance, and gaps in current research that your approach will fill
5. **Summary of Proposed Project Approach**
6. **Other Team Members** (include all faculty, postdocs, staff and students) – Name, college/unit and department, relevant expertise. Optional: diversity data.
7. **Anticipated Project Duration** (up to 3 semesters)
8. **Estimated Funding Request** (amount only; no details)
9. **Conflict of Interest Statement** – complete the box below and copy and paste it into your document

*By signing below, I acknowledge that this request does not present a conflict of interest for any member of the project team, TDAI or the university.*

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<thead>
<tr>
<th>PI Name</th>
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<tbody>
<tr>
<td>Signature</td>
<td>Date</td>
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<td>Email</td>
<td>Phone Number</td>
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For more information, email TDAI Managing Director **Dr. Cathie Smith**.