



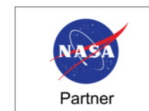
# Development Overview

Kelly Lockhart and the ADS  
Team

*ADS Users Group Meeting, 20-21 November 2025*



CENTER FOR  
**ASTROPHYSICS**  
HARVARD & SMITHSONIAN

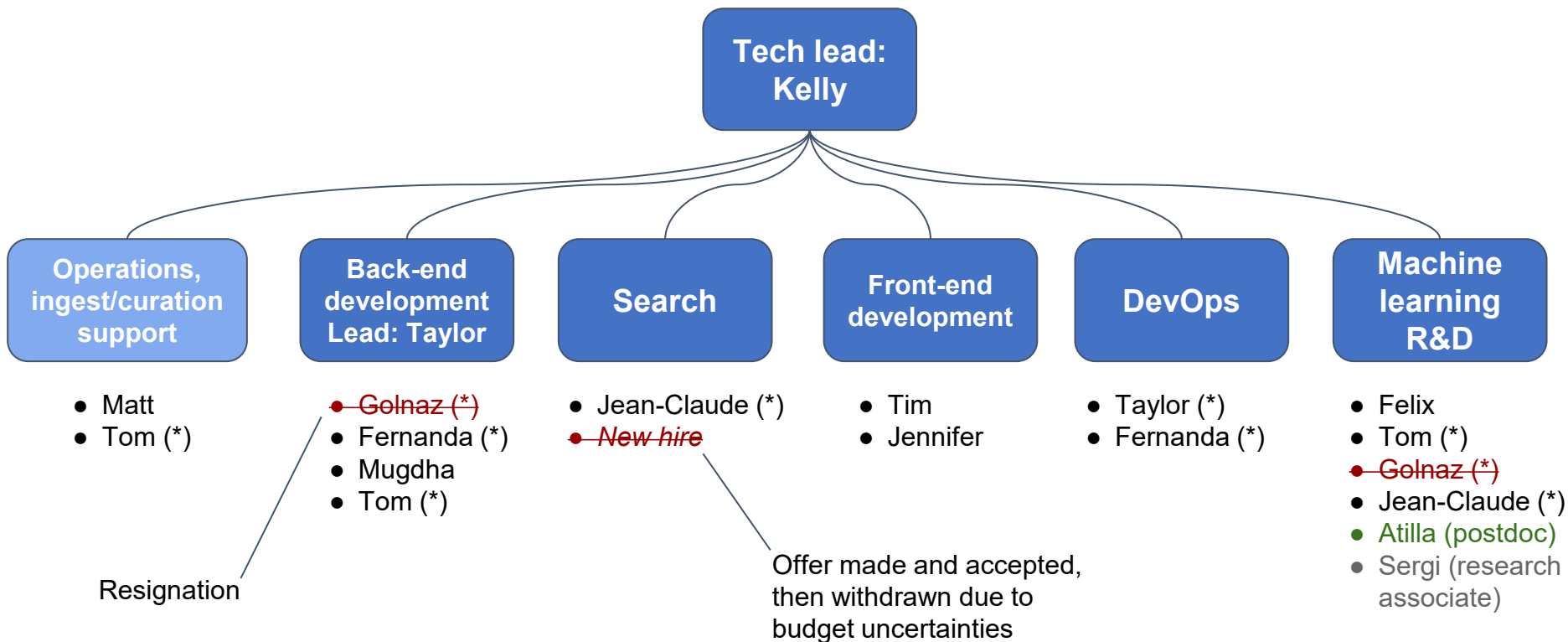


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# Dev Team Org Chart

1/2



(\*) Person works in more than one subteam



# Dev Team Org Chart 2/2

The loss of two dev FTEs (Golnaz Shapurian and the expected search engineer), plus Stephanie Jarmak, the planetary science project scientist who worked on search and AI R&D, has hampered dev progress this year

**Tech Lead:  
Kelly**

**Operations,  
ingest/curation  
support**

- Matt
- Tom (\*)

**Back-end  
development  
Lead: Taylor**

- ~~Golnaz (\*)~~
- Fernanda (\*)
- Mugdha
- Tom (\*)

Resignation

**Search**

- Jean-Claude (\*)
- ~~New hire~~

Offer made and accepted,  
then withdrawn due to  
budget uncertainties

**Front-end  
development**

- Tim
- Jennifer

**DevOps**

- Taylor (\*)
- Fernanda (\*)

**Machine  
learning  
R&D**

- Felix
- Tom (\*)
- ~~Golnaz (\*)~~
- Jean-Claude (\*)
- Atila (postdoc)
- Sergi (research associate)

(\*) Person works in more than one subteam



# Contractor updates

- **Winterway:**
  - Wrote and delivered API Gateway code, now in production
  - More updates in back-office segment
- **Sidrat:**
  - Completed DevOps audit, documenting our servers, data storage, and workflows
  - Delivered list of recommendations, including on data backups (more on this in back-office segment)
- **OpenSource Connections:**
  - Completed search audit, documenting our search infrastructure, technology, and forthcoming user needs
  - Worked with team on search needs; more on this in back-office segment



# 2025 Priorities

- **Turning off legacy systems**
  - [Backoffice Update](#) (Taylor Jacovich and the back-office team)
- **Science Explorer user interface out of beta**
  - [User Interface](#) (Tim Hostetler and Jennifer Chen)
- **Discipline-specific enhancements**
  - [Backoffice Update](#) and [User Interface](#)
- **Artificial intelligence and machine learning R&D**
  - [AI/ML presentation](#) (Felix Grezes)
- **Hiring and onboarding**
  - This presentation
- **Operations**
  - [Backoffice Update](#)