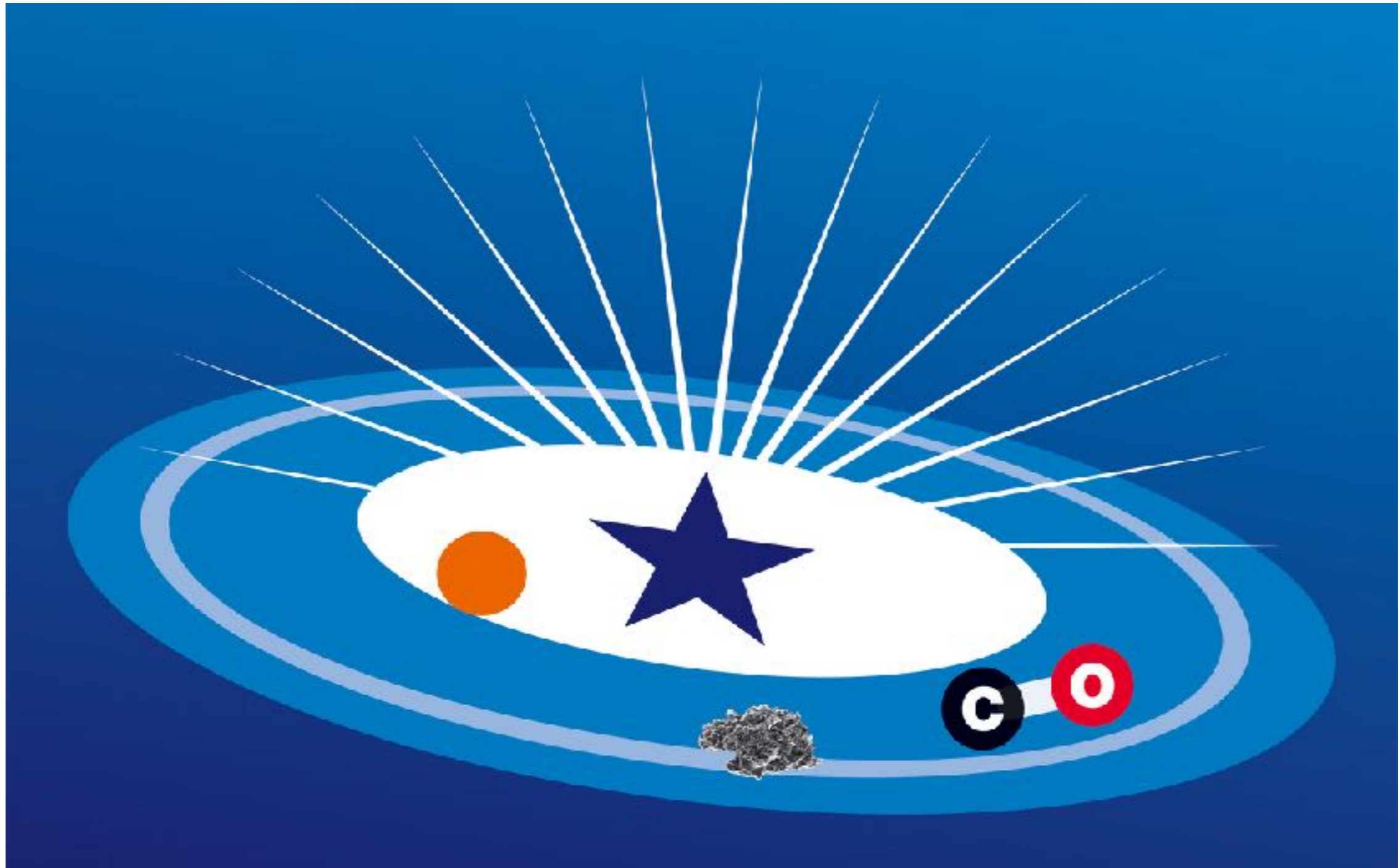


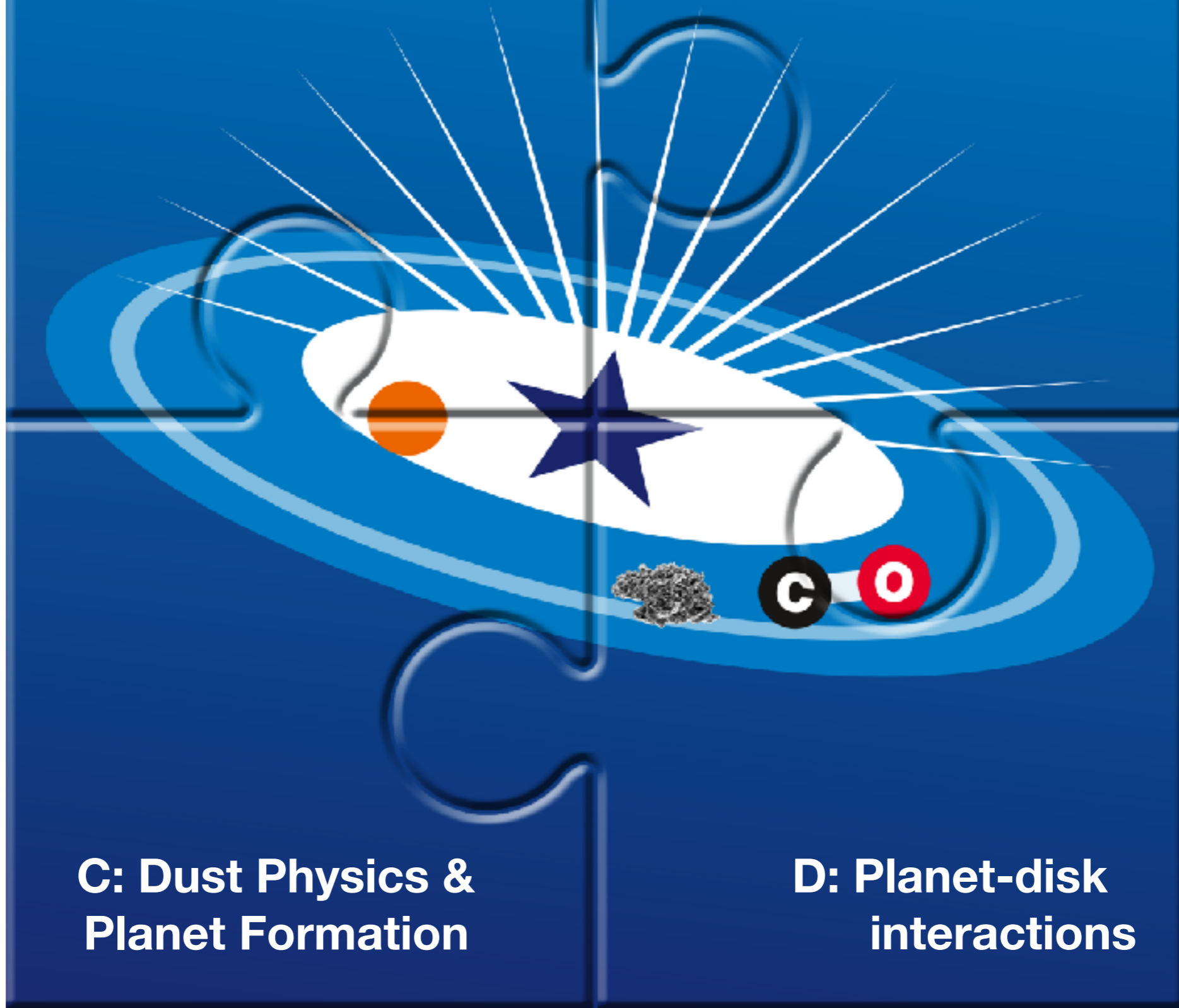
Planet Formation Witnesses and Probes: Transition Disks



MAX-PLANCK-GESellschaft

A: Observations

**B: Disk Dissipation
& Chemistry**



**C: Dust Physics &
Planet Formation**

**D: Planet-disk
interactions**

Summary of the Research Unit

| | | | | |
|----------|---|-----------|--|---|
| A | Observations | | | ? |
| A1 | "Solids and gas evolution in disks: observational constraints" | 2 PhD | | <i>Testi</i> |
| A2 | "New constraints about disk-dissipation processes from the relation between accretion and X-ray activity" | 1 PhD | | <i>Preibisch</i> <i>Stefan Flaischlen</i> |
| B | disk dissipation and chemistry | | | <i>Giovanni Picogna</i> |
| B1 | "The radiation-hydrodynamics of photoevaporative winds with chemistry" | 1 Postdoc | | <i>Ercolano</i> |
| B2 | "Astrochemistry in the atmospheres and winds of photoevaporating disks " | 1 Postdoc | | <i>Caselli, Ercolano</i> <i>Laszlo Szucs</i> |
| C | Dust physics | | | <i>Apostolos Zormpas</i> |
| C1 | "Trapping the dust: planet formation 'hotspots' in TDs" | 1 PhD | | <i>Birnstiel, Dullemond</i> |
| C2 | "Gone with the wind: dust entrainment in photoevaporative winds" | 1 PhD | | <i>Ercolano</i> <i>Raphael Franz</i> |
| D | Planet-disk interactions | | | ? |
| D1 | "Transition disks and planetary systems" | 1 Postdoc | | <i>Kley, Dullemond</i> |
| D2 | "Origin of complex non-axisymmetric structures in Type 2 Transition Disks " | 1 Postdoc | | <i>Dullemond, Kley</i> ? |

Friends of the Research Unit

Tommaso Grassi (Official Collaborator USM)

Ewine van Dishoek (Official Collaborator MPE/Leiden)

Thomas Henning (Official Collaborator MPIA Heidelberg)

Giovanni Rosotti (Official Collaborator Cambridge)

James Owen (Official Collaborator, Imperial College)

Kristina Monsch (PhD Student at the USM — SPP Exoplanets)

Stefano Facchini (Postdoc at the MPE — Ewine's group)

Sebastian Stammeler (Postdoc at the USM — Til's ERC)

Matias Garate (PhD Student at the USM — Til's ERC)

Michael Weber (Master Student, USM)

Lisa Wölfer (Master Student, USM)

????

????

Activities: Interactions/Training/Dissemination

| Activity | Year 1 | | | | Year 2 | | | | Year 3 | | | |
|---|--------|----|----|----|--------|----|----|----|--------|----|----|----|
| Internal to the Research Unit | | | | | | | | | | | | |
| Full Network Meetings | | 2d | | 2d | | 2d | | 2d | | 2d | | 2d |
| Tutorials and lectures | | 2d | | 2d | | | | | | | | |
| Short term visits within RU /2d/2y/p.p. | | | | | | | | | | | | |
| 2 Week Working visits within RU /p.p. | | | 2w | | | | 2w | | | | 2w | |
| External Events | | | | | | | | | | | | |
| International School | | | | | 1w | | | | | | | |
| International Conference | | | | | | | | | | | | 1w |

Network Management: 50% Secretarial Support

Guudrun Niggel

Family Support Measures:

- Provide financial support to members who wish to travel with a caretaker for their small children
- Provide family-friendly scheduling of events
- Provide videoconferencing and other remote communication means

Kick-Off Meeting:

When? 5th 6th February

Where? University Observatory LMU

Website(s)

Public Website:

<https://www.transitiondiscs.com>

Work Website:

<https://rutd.github.io/RUTD/>

Publications (including conference proceedings)

Please think always at the collaborations!

For our prolongation proposal as well as individual results, it will be crucial to demonstrate the added value of having a Research Unit. We need to demonstrate that the RU is more than the sum of its parts.

**Please add the following in the
Acknowledgements:**

This work was funded by the Deutsche Forschungs-gemeinschaft (DFG, German Research Foundation) - Ref no. FOR 2634/1 + please add your individual grant number.

**The please send the publications' information to
Gudrun to add on the website**

Munich/Garching Interactions

Interactions amongst RAs

Proposal:

- Monthly meeting of RAs A, B and C
- First Monday of every month at 1pm the USM
- In rotation reports from Area A, B and C
- Schedule to be kept up-to-date on the website

Have I forgotten anything?