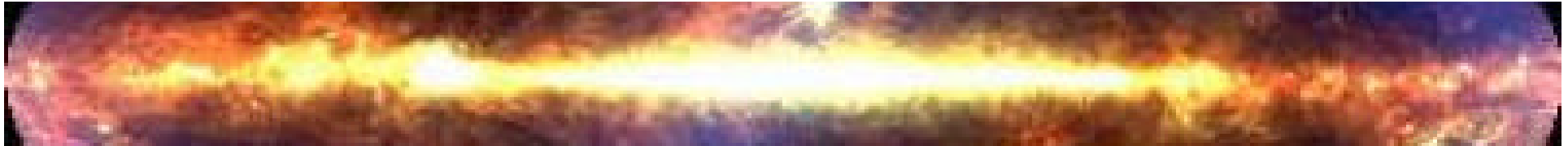


# Hi-GAL: the Herschel infrared GALactic Plane Survey



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- Measure the star formation rate and history Galaxy-wide
- Obtain the complete inventory of cold dust in the Galactic Plane
- Establishing the existence and nature of star formation thresholds as a function of ISM properties across a full range of galactocentric radii metallicity and environmental conditions
- Determining the relative importance of global vs local mechanisms that give rise to star formation.
- Provide templates, recipes and prescriptions for Xgal science

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# Hi-Gal

- 70-500 $\mu$ m photometric imaging using the PACS and SPIRE cameras (5 bands)
- Fast Scanning in Parallel Mode with proper redundancy
- Sensitivity  $\sim 20$ mJy @1s
- $0^\circ < l < 360^\circ$  -  $|b| < 1^\circ$