

# 30 Years of Photodissociation Regions:

A symposium to honor David Hollenbach's lifetime in science  
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## PDRs and Molecular Gas at Low-Metallicity in the Small Magellanic Cloud

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The Small Magellanic Cloud (SMC) provides the only laboratory to test the physics of the low-metallicity ISM and photodissociation regions at low metallicity. We present results from the Herschel mapping of key FIR cooling lines ([CII], [OI], [NII], [OIII]) in photodissociation regions in the Small Magellanic Cloud (HS<sup>3</sup>), and compare our measurements to normal local galaxies. Our dust-based estimates of the molecular gas in the SMC show more extended structure than what is traced by CO (including new ALMA observations), and we use of [CII] measurements to trace this translucent molecular gas. We discuss the relation between [CII] and CO (from new APEX observations) at low metallicity.