

**NOAA Atmospheric Chemistry, Carbon Cycle and Climate (AC4) FY18 competition awards**

#	Investigators	Project title	Institution(s)	Project period	Project amount
1	Bertram, Timothy	Constraints on the relative roles of N <sub>2</sub> O <sub>5</sub> heterogeneous and NO <sub>3</sub> gas-phase chemistry in secondary aerosol production	U. Wisconsin	07/2018-06/2021	\$396,564
2	Cohen, Ronald	Measurements and modeling of organic nitrate gases and aerosol: Influences on the lifetimes of NO <sub>x</sub> , ozone and aerosol	UC Berkeley	07/2018-06/2021	\$355,285
3	Kroll, Jesse; Murphy, Jennifer	The aging of aerosol nitrate and implications for the global nitrogen cycle	MIT; U. Toronto	07/2018-06/2021	\$599,810
4	Mao, Jingqiu; Ng, Nga Lee (Sally)	Anthropogenic influence on the oxidation of biogenic volatile organic compounds: implications for formation of secondary organic aerosols	U. Alaska; Georgia Tech.	07/2018-06/2021	\$389,274
5	Ng, Nga Lee (Sally)	Laboratory Chamber Studies on Organic Nitrate and Secondary Organic Aerosol (SOA) Formation from Oxidation of Monoterpenes	Georgia Tech.	07/2018-06/2021	\$722,512*
6	Nguyen, Tran	Oxidation mechanism and organic aerosol formation from the $\alpha$ -pinene and pinonaldehyde reactions with NO <sub>3</sub> radicals under near-ambient conditions	UC Davis	07/2018-06/2021	\$336,936
7	Nowlan, Caroline	Development of a Formaldehyde Product from the Ozone Mapping Profiler Suite Nadir Mapper (OMPS-N) on Suomi-NPP and JPSS-1	Smithsonian Astrophysical Observatory	07/2018-06/2021	\$450,455
8	Steiner, Allison	The role of in-canopy processes on biogenic VOC oxidation and formation of organic nitrogen aerosols	U. Michigan	07/2018-06/2021	\$349,847
9	Walters, Wendell; Ng, Nga Lee (Sally)	Constraining NO <sub>x</sub> -BVOC Oxidation Chemistry and Feedbacks Using Oxygen Stable Isotopes	Brown U.; Georgia Tech.	07/2018-06/2021	\$386,343
10	Ziemann, Paul	Quantitative Investigation of Mechanisms of Oxidation and SOA Formation from Terpenes for Different Oxidants and NO <sub>x</sub> Regimes	U. Colorado	07/2018-06/2021	\$600,000

\*Total includes sub-awards to Sally Ng on Mao and Walters proposals, which are not included in the U. Alaska and Brown U. amounts