

Truth in Testimony Disclosure Form

In accordance with Rule XI, clause 2(g)(5)*, of the *Rules of the House of Representatives*, witnesses are asked to disclose the following information. Please complete this form electronically by filling in the provided blanks.

Committee: Science, Space, and Technology

Subcommittee: _____

Hearing Date: May 16, 2019

Hearing Subject:

Event Horizon Telescope: The Black Hole Seen Round the World

Witness Name: Colin J Lonsdale

Position/Title: Director, MIT Haystack Observatory

Witness Type: Governmental Non-governmental

Are you representing yourself or an organization? Self Organization

If you are representing an organization, please list what entity or entities you are representing:

Massachusetts Institute of Technology

If you are a non-governmental witness, please list any federal grants, cooperative agreements, or contracts (including subgrants or subcontracts) related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current calendar year and previous two calendar years. Include the source and amount of each grant, cooperative agreement, or contract. *If necessary, attach additional sheet(s) to provide more information.*

Separate sheet

If you are a non-governmental witness, please list any contracts or payments originating with a foreign government and related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current year and previous two calendar years. Include the amount and country of origin of each contract or payment. *If necessary, attach additional sheet(s) to provide more information.*

None

Federal Grants and Contracts to MIT Haystack Observatory, involving funds received in the last 3 years:

Subaward with National Radio Astronomy Observatory *Enabling New Science with the ALMA Phasing System "Phase 2"* in the amount of \$954,082 for the period 01/01/2018 – 9/30/2020

Subaward with National Radio Astronomy Observatory under NSF Grant AST-1519126 *ALMA Study Project: Diversifying the Scientific Applications of the ALMA Phasing System* in the amount of \$199,286 for the period 10/1/2016 – 9/30/2018

NSF Grant AST-1126433 *MRI: Development of an ALMA Beamformer for Ultra High Resolution VLBI and High Frequency Phased Array Science* in the amount of \$3,072,071 for the period 9/1/2011 – 8/31/2017

NSF Grant AST-1310896 *Building the Event Horizon Telescope: Observing Black Holes with Schwarzschild Radius Resolution* in the amount of \$1,856,483 for the period 9/15/2013 – 6/30/2017

Subcontract with Smithsonian Astrophysical Observatory under NSF Grant AST-1440254 *Support of The Event Horizon Telescope Experiment* in the amount of \$2,218,433 for the period 1/15/2015 – 12/31/2019

NSF Grant AST-1614868 *Shaping the Narrow Jets of Material from Supermassive Black Holes* in the amount of \$440,795 for the period 9/15/2016 – 8/31/2019