



# 2015 Spring Science Meeting Arecibo Observatory February 4–6



## Wednesday, Feb 4

### Introduction & Plenary

09:00 Welcome - Xavi Siemens (NANOGrav Chair)

09:10 Working Group updates (max. 10 min each)

10:00 Vicky Kaspi - "PALFA status update"

10:30 Coffee/Tea

### GW Source Astrophysics

11:00 Chiara Mingarelli - "Searching for anisotropy in the 9-yr dataset"

11:20 Neil Cornish - "How PTA observations can constrain formation and hardening models for SMBH binaries"

11:40 Eliu Huerta - "Modelling the characteristic amplitude of the GWB from eccentric SMBH binaries"

12:00 Steve Taylor - "Building a parameter estimation pipeline for eccentric SMBH binaries"

12:30 Lunch

### Breakout

13:30 Working Groups breakout session

15:30 Coffee/Tea

### Timing Data & Noise Terms

16:00 David Nice - "NANOGrav 9-yr data release update"

16:15 Michael Lam (remote) - "A short timescale noise model"

16:30 Dan Stinebring - "Frequency-dependent dispersion measures"

16:50 Tim Dolch (remote) - "High-frequency (for PTAs) GW determination using the J1713+0747 24-hr global campaign"

18:00 Conference banquet

19:00 Poolside Chat

- E&PO discussion

- Fellowships applications advice/Career panel

## Thursday, Feb 5

### PIRE & International Affairs

09:00 Scott Ransom - "IPTA coordination update"

09:20 Scott/Vicky - "Non-U.S. facilities update"

09:40 Lisa Kohne - "PIRE project evaluation results and next steps"

10:00 PIRE and PFC, Present & Future - discussion (mod. Maura)

10:30 Coffee/Tea

### Upcoming Data, Software, & Analysis Capabilities

11:00 Brian Christy - "Status update on the generic GW burst pipeline"

11:20 Walid Majid - "Pulsar timing with NASA's Deep Space Network"

11:35 Scott Ransom - "An update on PINT"

11:50 Rutger van Haasteren - "Solving pulsars from scratch: both algorithmic and with advanced (graphical) tools"

12:30 Lunch

### Plenary & Breakout

13:30 Alex Wolszczan - "Observing radio flares from ultra-cool dwarfs at AO"

14:00 Working Groups breakout session

15:30 Coffee/Tea

### Results & Outreach

16:20 Justin Ellis - "Stochastic limit from the 9-yr dataset"

16:40 Justin Ellis - "Continuous-wave limit from the 9-yr dataset"

17:00 Froney Crawford (remote) - "The ARCC program at F&M"

17:15 Michael Lam (remote) - "Building your own PTA"

17:30 Dinner

19:00 Poolside Chat

- APS meeting coordination

## Friday, Feb 6

### Instrumentation & Arecibo

09:00 Phil Perillat/Luis Quintero (AO) - "RFI at Arecibo"

09:20 Wideband systems for AO & GBT - discussion (mod. Scott)

09:40 Bob Kerr (AO) - "Arecibo Observatory status update"

10:00 AO/GBT funding - discussion (mod. Zaven)

10:30 Coffee/Tea

### Pulsar Astrophysics

11:00 Joe Swiggum - "NANOGrav 9-yr flux analysis"

11:20 Allison Matthews - "Astrometry from the 9-yr dataset—work in progress"

11:40 Emmanuel Fonseca - "Dynamical studies of NANOGrav binary pulsars"

12:00 Meeting summary, announcements, etc.

12:20 Adjourn