Larry Schuette - Director of Research - Office of Naval Research
6.1, 6.2 some 6.3 grants - almost $1B in funds - almost exclusively through grants
Use a long-range BAA - shows up in grants.gov
1600 new grants per year
Each project officer pushes out about 12 new ideas per year
Most important is to figure out the right program officer is, and then figure out who the officer is in Army and Air Force research. They talk to each other, and they will line up.
Go to ONR website
Synthetic biology is a significant interest area!
Will fund 47 YIPs out of 300 - use white paper on front end to DURIP - only received 200 this year (usually receive 300-400) - will fund 100 of these!
Should make sure we are signed up for ONR notifications
FY13 PECASE winners - $1.5M - ONR had 6 of these
Early Career grant -
These are "corporate" grants, in addition to grants provided by individual program officers
About to announce MURI recipients for FY16
ONR website - upper left - Technology Locator - lists about 100 areas that are of interest to them and contact info for a program officer. Send them an e-mail - arrange to meet them at an upcoming conference, or meet with them at ONR. One way to figure out how to meet them, is to look at who they are funding. These people might be able to help you as well.

Col. Szmerekovsky - Deputy Director - Air Force Office of Scientific Research
It is not only what you know, but who you know.
If you can't find the right person, contact him and he will help you.
$500M budget
Make connections with their program officers, and Air Force Research Lab (AFRL)
They only work with 6.1 - basic, publishable research
Slide that lists AFOSR basic research - topics that are of interest - AFOSR
research leads to AFRL technologies
Identify breath trough research opportunities - take basic research and turn it into something good
Slide that shows their research portfolios - most basic research will fit in their somewhere
Grants.gov search under AFOSR (can do same for ONR)
Their program officers (like ONR) - they can make decisions, they have autonomy - different from NSF - they can control their money
University Centers of Excellence - slide that describes program - upcoming Multi-Fidelity Modeling of Combustion Instability
MURIs - 5 years - $500K yr1, $1.5M after
DURIPs - for instrumentation - one-time up to $1.5M
PECASE - Presidential Early Career Awad for Scientists and Engineers - $200K/yr - 5 years
YIP- Young Investigator Research Program - $120K for 3 years
Resident research programs - post-docs, faculty fellows and can bring grad student
APAN collaboration website - can use to upload white papers
AFOSR, ONR are in the same building, and DARPA is just down the street

Steven Walker - Deputy Director, DARPA - Defense Advanced Research Projects Agency
$2.93 B is FY17 - they cover a wide range of technology
$420M in 6.1 basic research
Their mission is breakthrough technologies for national security
They work with Army, Navy and Air Force as well
2. Mastering information explosion - an area of interest
3. Developing seeds of technological surprise - chemistry, biology, etc.
Getting away from big complex systems, and use more Microsystems that can be linked to have military effect
Networking, communications - especially in contested environments - is of interest
Maritime - 132 ft. Surface vessel that is autonomous - 9000 nautical miles
- ONR and DARPA working together - to have manned and unmanned systems working together on the sea
MUSE - Mining and Using System ....
Cyber security - significant area - have a cyber grand challenge coming up
Program to prove mathematically that a section of code cannot be hacked
New math for new design tool; neuro-technology for prosthetics - to have "feeling" when touching something -

Working with DARPA - they have turnover every 3-5 years for program managers, so need to constantly meet new people

Everything is 3-5 year project - no enduring projects

New PMs come in and spend 6 months formulating a plan, so it is a good time to meet a program manager - give your input

White papers can be helpful

Young faculty - they have a BAA specifically for young faculty - they fund about 40 grants - IT IS OUT RIGHT NOW - until April 5 - 15 topics, some may be of interest

Best to engage directly with PMs - sending a white paper with talking with them is not a great idea

**Joseph Mait - Chief Scientist, Army Research Laboratory**

ARL receives money, and money flows through Army Research Office (flipped from ONR, AFOSR)

Objective - make today’s Army and the next Army obsolete

Open Campus - a collaborative ecosystem - has slide to describe details

They are looking for partners - to collaborate and write proposals together

First step - visit ARL - sabbaticals, etc. to establish collaborations - they also send their ARL people to spend time (sometimes multiple years) at other locations

Hiring 70 people for new ARL location in Los Angeles

520 participants have established collaborations with ARL in on-site laboratories

Army moves, shoots and communicates - their research fits into those areas

Computational sciences, materials research, assessment and analysis, environmental basic research

Slide with ARL's New Research Centers

Adelphi, MD - Army Cyber Research Center, Center for Research in Extreme Batteries, among other activities

White Sands Missile Range, NM - Atmospheric Sciences Research

Slide on how faculty can engage in ARL's Open Campus - they have an Open House coming up in November (2016) in Adelphi, MD (PERHAPS CONSIDER ATTENDING)

Provides link for ARL - on website there is a button for "start a dialog"
Q&A:
NCSF?? (Acronym isn't right) - $800K for 5 years - through OSD, but comes out through ONR
Will be offered every year
Summer faculty - can spend the summer at ONR, AFOSR or ARL - inside their facilities - good opportunity to meet and interact with people at these locations
Good way to get in the door with these agencies
Compliance with DFAR 7012 (of 7102?)
ONR - 1600 6.1, 400 6.2, 40 6.3 grants