

OFFICE OF MULTI-DISCIPLINARY ACTIVITIES (OMA) **\$29,070,000**
-\$1,570,000 / -5.1%

OMA Funding
(Dollars in Millions)

	FY 2011 Actual	FY 2012 Estimate	FY 2013 Request	Change Over FY 2012 Estimate	
				Amount	Percent
Total, OMA	\$27.06	\$30.64	\$29.07	-\$1.57	-5.1%
Research	21.93	25.44	24.87	-0.57	-2.2%
<i>I-Corps</i>	0.20	1.00	1.30	0.30	30.0%
<i>Inspire</i>	-	3.00	3.00	-	-
<i>Centers Funding (total)</i>	2.10	0.10	-	-0.10	-100.0%
<i>Centers for Analysis & Synthesis</i>	0.10	0.10	-	-0.10	-100.0%
<i>Centers for Chemical Innovation</i>	2.00	-	-	-	N/A
Education	2.13	2.20	2.20	-	-
<i>REU Sites</i>	2.00	-	-	-	N/A
<i>Pan-American Advanced Studies Institutes</i>	0.13	0.20	0.20	-	-
<i>AGEP Graduate Research Supplements</i>	-	2.00	2.00	-	-
Infrastructure	3.00	3.00	2.00	-1.00	-33.3%
<i>Research Resources</i>	3.00	3.00	2.00	-1.00	-33.3%

Totals may not add due to rounding.

The Office of Multidisciplinary Activities (OMA) enables and facilitates MPS support of novel, challenging, or complex projects of varying scale, in both research and education, which are not readily accommodated by traditional organizational structures and procedures. This is done primarily in partnership with MPS disciplinary divisions and is especially directed at activities by multi-investigator, multidisciplinary teams, as well as cross-NSF and interagency activities.

In general, approximately 65 percent of the OMA portfolio is available for new research grants and 35 percent is available for continuing grants.

In FY2013, OMA will focus on: multidisciplinary research emphasizing the mathematical and physical scientific foundations of sustainability, including new synthetic methods to replace rare raw materials with abundant chemicals and to incorporate green principles in scaled-up processes; multidisciplinary research addressing the fundamental science critical to designing new materials; multidisciplinary research at the interface between the mathematical and physical sciences and the life sciences to provide insight into the molecular basis of life processes; computational and data-enabled science across the MPS divisions; multidisciplinary research into controlling, manipulating, and exploring the behavior of quantum matter and the limitations of quantum information processing; and team efforts aimed at developing next-generation instrumentation to enable fundamental advances across a wide spectrum of disciplines. OMA will also provide leadership and support for INSPIRE and I-Corps activities within MPS.

FY 2013 Summary

All funding decreases/increases represent change over the FY 2012 Estimate.

Research

- In FY 2013, OMA will focus on multidisciplinary research addressing the key NSF-wide priority areas of I-Corps, INSPIRE, SEES, CIF21, CEMMS, BioMaPS, clean energy, and advanced manufacturing.
- OMA will increase its investment in I-Corps (+\$300,000) to \$1.30 million in FY 2013.
- OMA will maintain its investment in INSPIRE at \$3.0 million in FY 2013.
- OMA completes its planned five-year investment to support the National Institute for Mathematical and Biological Synthesis (-\$100,000 to zero), a Center for Analysis and Synthesis primarily managed by BIO, in FY 2012. No support is planned for FY 2013.
- In the area of CIF21 OMA will coordinate MPS' participation with OCI, BIO, CISE, and ENG, and provide funding for Software Infrastructure for Sustained Innovation (+\$2.25 million) and Scientific Software Innovation Institutes (+\$500,000).

Education

- Funding for the Pan-American Advanced Studies Institutes will be maintained at \$200,000 in FY 2013.
- OMA launched a new investment AGEP Graduate Research Supplements at the level of \$2.0 million in FY 2012. OMA will continue its \$2.0 million investment in FY 2013.

Facilities

- OMA will invest \$2.0 million (-\$1.0 million below the FY 2012 Estimate) in co-funding with the Divisions of Chemistry (CHE) and Materials Research (DMR) for Coherent Light Source (CLS) in FY 2013.