

Stanford



John Graybeal

Rsch Technical Mgr 2, Med/BMIR

CONTACT INFORMATION

- **Administrative Contact**

Tel 650-725-3384

SUPERVISORS

- Mark Musen

Bio

BIO

John has performed project management for the Marine Metadata Interoperability Project and its Ontology Registry and Repository (<http://mmisw.org/orr>) and the National Science Foundation's Ocean Observatories Initiative CyberInfrastructure project at UC San Diego, as well as at NASA Ames Research Center (via Sterling Software/Northrup Grumman), Monterey Bay Aquarium Research Institute.

John received a BA degree from UC Berkeley, in Computer Science and Statistics, with follow-on training/certification in quality management, project management (Project Management Professional), and scrum software development (ScrumAlliance).

CURRENT ROLE AT STANFORD

John is a Technical Program Manager at Stanford University's School of Medicine. He leads the Center for Enhanced Data Annotation and Retrieval (CEDAR), and the NCBO BioPortal Repository, .

John's work encompasses whatever is needed: project management, product management, systems architecture, dev ops, and administration, to name a few fun roles.

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Project Lead, MMI, MMI ORR and ESIP COR (4/1/2014)

Professional

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Chair, EarthCube Semantic Infrastructure Working Group (2015 - 2016)

Publications

PUBLICATIONS

- **The CEDAR Workbench: An Ontology-Assisted Environment for Authoring Metadata that Describe Scientific Experiments.** *The semantic Web--ISWC ... : ... International Semantic Web Conference ... proceedings. International Semantic Web Conference*

- Gonçalves, R. S., O'Connor, M. J., Martínez-Romero, M., Egyedi, A. L., Willrett, D., Graybeal, J., Musen, M. A.
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- **NCBO Ontology Recommender 2.0: an enhanced approach for biomedical ontology recommendation.** *Journal of biomedical semantics*
Martínez-Romero, M., Jonquet, C., O'Connor, M. J., Graybeal, J., Pazos, A., Musen, M. A.
2017; 8 (1): 21-?
 - **A Simple Standard for Sharing Ontological Mappings (SSSOM).** *Database : the journal of biological databases and curation*
Matentzoglou, N., Balhoff, J. P., Bello, S. M., Bizon, C., Brush, M., Callahan, T. J., Chute, C. G., Duncan, W. D., Evelo, C. T., Gabriel, D., Graybeal, J., Gray, A., Gyori, et al
2022; 2022
 - **Design of a FAIR digital data health infrastructure in Africa for COVID-19 reporting and research.** *Advanced genetics (Hoboken, N.J.)*
van Reisen, M., Oladipo, F., Stokmans, M., Mpezamihgo, M., Folorunso, S., Schultes, E., Basajja, M., Aktau, A., Amare, S. Y., Taye, G. T., Purnama Jati, P. H., Chindoza, K., Wirtz, et al
2021; 2 (2): e10050
 - **Using association rule mining and ontologies to generate metadata recommendations from multiple biomedical databases.** *Database : the journal of biological databases and curation*
Martínez-Romero, M., O'Connor, M. J., Egyedi, A. L., Willrett, D., Hardi, J., Graybeal, J., Musen, M. A.
2019; 2019
 - **Unleashing the value of Common Data Elements through the CEDAR Workbench.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
O'Connor, M. J., Warzel, D. B., Martínez-Romero, M. n., Hardi, J. n., Willrett, D. n., Egyedi, A. L., Eftekhari, A. n., Graybeal, J. n., Musen, M. A.
2019; 2019: 681-90
 - **The CAIRR Pipeline for Submitting Standards-Compliant B and T Cell Receptor Repertoire Sequencing Studies to the National Center for Biotechnology Information Repositories** *FRONTIERS IN IMMUNOLOGY*
Bukhari, S., O'Connor, M. J., Martínez-Romero, M., Egyedi, A. L., Willrett, D., Graybeal, J., Musen, M. A., Rubelt, F., Cheung, K., Kleinstein, S. H.
2018; 9
 - **The CAIRR Pipeline for Submitting Standards-Compliant B and T Cell Receptor Repertoire Sequencing Studies to the National Center for Biotechnology Information Repositories.** *Frontiers in immunology*
Bukhari, S. A., O'Connor, M. J., Martínez-Romero, M., Egyedi, A. L., Willrett, D., Graybeal, J., Musen, M. A., Rubelt, F., Cheung, K. H., Kleinstein, S. H.
2018; 9: 1877
 - **CEDAR OnDemand: a browser extension to generate ontology-based scientific metadata** *BMC BIOINFORMATICS*
Bukhari, S., Martínez-Romero, M., Connor, M., Egyedi, A. L., Willrett, D., Graybeal, J., Musen, M. A., Cheung, K., Kleinstein, S. H.
2018; 19: 268
 - **AgroPortal: A vocabulary and ontology repository for agronomy** *COMPUTERS AND ELECTRONICS IN AGRICULTURE*
Jonquet, C., Toulet, A., Arnaud, E., Aubin, S., Yeumo, E., Emonet, V., Graybeal, J., Laporte, M., Musen, M. A., Pesce, V., Larmande, P.
2018; 144: 126-43
 - **Fast and Accurate Metadata Authoring Using Ontology-Based Recommendations.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
Martínez-Romero, M., O'Connor, M. J., Shankar, R. D., Panahiazar, M., Willrett, D., Egyedi, A. L., Gevaert, O., Graybeal, J., Musen, M. A.
2017; 2017: 1272-81
 - **Issues in data management in observing systems and lessons learned** *OCEANS 2006, VOLS 1-4*
Gornes, K. J., Graybeal, J., O'Reilly, T. C.
2006: 1187-1192
 - **Toward an ocean observing system of systems** *OCEANS 2006, VOLS 1-4*
Bermudez, L., Bogden, P., Bridger, E., Creager, G., Forrest, D., Graybeal, J.
2006: 904-?
 - **MBARI's SSDS: Operational, extensible data management for ocean observatories** *3rd International Workshop on Scientific Use Submarine Cables and Related Technologies*
Graybeal, J., Gomes, K., McCann, M., Schlining, B., Schramm, R., Wilkin, D.
IEEE.2003: 288-292