

# OntoChina and OBO Foundry Meet OHDSI China: A Roadmap of Community-based Biomedical Ontology and Vocabulary Development for Big Data Innovation

**Co-Chairs:** Yongqun “Oliver” He<sup>1</sup>, Guoqian Jiang<sup>2</sup>

**Speakers:** Jie Zheng<sup>3</sup>, Yongqun “Oliver” He<sup>1</sup>, Suzanna Lewis<sup>4</sup>, Xiaolin Yang<sup>5</sup>, Yan Zhu<sup>6</sup>, Wei Zhou<sup>7</sup>, Mengchun Gong<sup>8</sup>, Li Wang<sup>9</sup>, Guoqian Jiang<sup>2</sup>

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## Schedule:

Consortium	Speaker	Topic
OBO Foundry and OntoChina	Jie Zheng	Introduce general ontology background, development, and applications in biomedicine. (20 min)
	Yongqun “Oliver” He	Introduce ontology development methods, including the eXtensible Ontology Development (XOD) strategy and tools (e.g., Ontofox, Ontodog, and Ontorat), for efficient interoperable ontology development. (20 min)
OBO Foundry	Suzanna Lewis	Introduce the international OBO Foundry program, OBO Foundry ontology development principles, current OBO ontology status, funding, and future plan. (30 min)
OntoChina	Xiaolin Yang, Yan Zhu, and Wei Zhou	Introduce OntoChina, a new initiative to support collaborative ontology research, development and applications in China. Topics to introduce: (i) OntoChina initiation, objectives, and 2018 plan; (ii) OntoChina web tools; (iii) Develop a community-based traditional Chinese medicine (TCM) ontology; (iv) Translate to Chinese the ontology book “Building Ontologies with Basic Formal Ontology” (authors: Robert Arp, Barry Smith, and Andrew D. Spear) ( <a href="https://mitpress.mit.edu/building-ontologies">https://mitpress.mit.edu/building-ontologies</a> ) (40 min)

Coffee Break (20 min)		
OHDSI China	Mengchun Gong	An overview of research applications using SNOMED CT and CHPO in China (30min)
	Li Wang	An introduction of the Normalized Chinese Clinical Drugs (NCCD) (20 min)
	Guoqian Jiang	<p>Strategies and A Research Agenda for Curating Chinese Standard Vocabularies Using the OHDSI Common Data Model (<a href="http://www.ohdsichina.org/">http://www.ohdsichina.org/</a>) (30min)</p> <p>Na Hong<sup>1</sup>, Li Wang<sup>2</sup>, Lin Zhang<sup>3</sup>, Chunhua Weng<sup>4</sup>, Cui Tao<sup>5</sup>, Lei Liu<sup>6</sup>, Yi Zhou<sup>7</sup>, Hua Xu<sup>5</sup>, Guoqian Jiang<sup>1</sup></p> <p><sup>1</sup>Mayo Clinic, Rochester, MN, USA  <sup>2</sup>Nantong University, Nantong, Jiangsu, China  <sup>3</sup>Bethune International Peace Hospital, Shijiazhuang, Hebei, China  <sup>4</sup>Columbia University, New York City, NY, USA  <sup>5</sup>The University of Texas Health Science Center at Houston, Houston, TX, USA  <sup>6</sup>Fudan University, Shanghai, China  <sup>7</sup>Sun Yat-sen University, Guangzhou, China</p>
Q&A and Discussion (30min)		