



EMSL's strategic plan sets out 10-year vision and outlines our roadmap for success



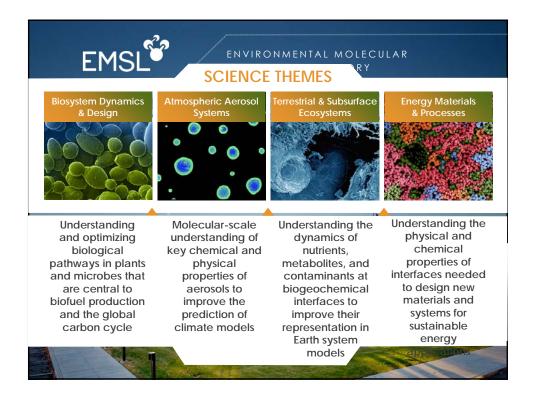




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- Describes BER and DOE challenges where EMSL can have a sustained scientific impact
- Provides science lens for capability investments
- Developed and peer review with advisory committees, BER, the user community, and EMSL Triennial Review.

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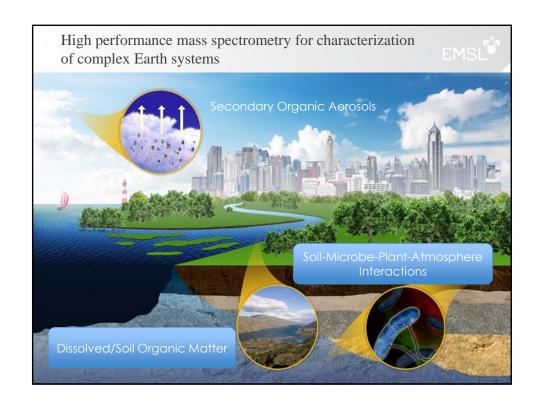


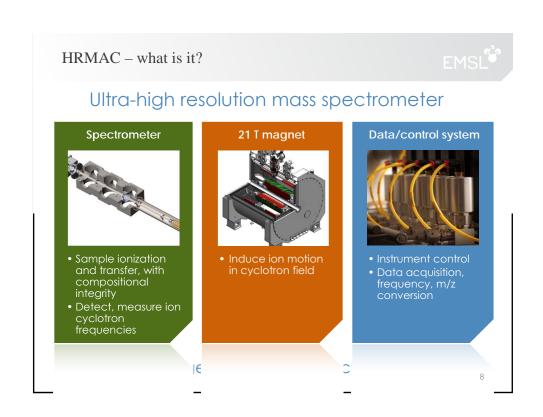
EMSL has worked to develop two new instruments to enable new science

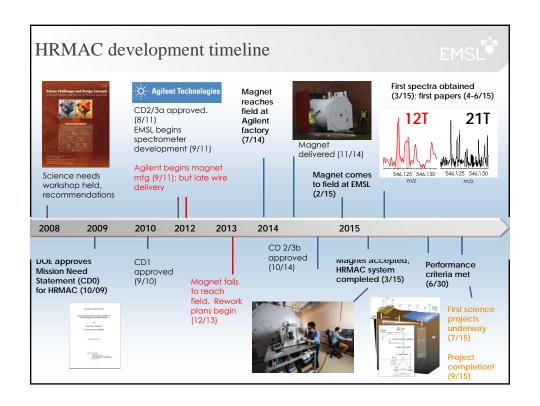


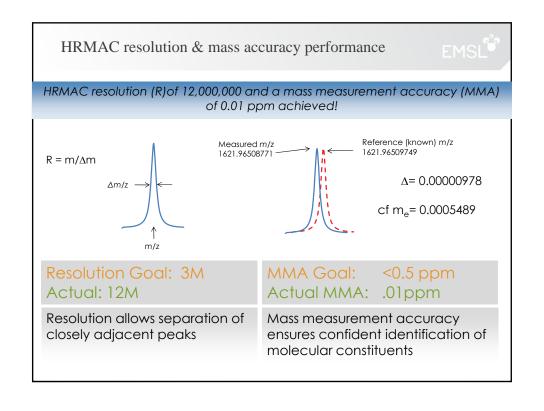
- High Resolution Mass Accuracy Capability (HRMAC) is an ultra-high resolution 21T FTICR mass spectrometer
- Dynamic Transmission Electron Microscope (DTEM) is a near-atomic resolution timeresolved (µsec-psec) TEM

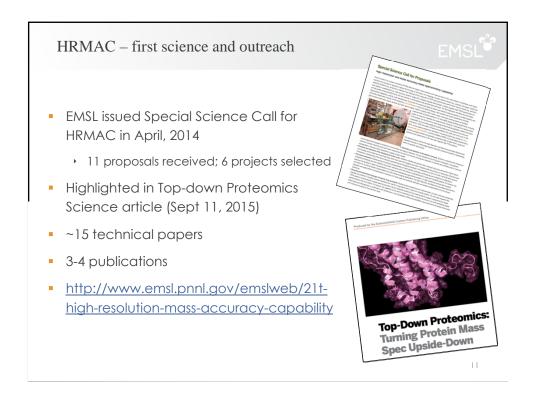
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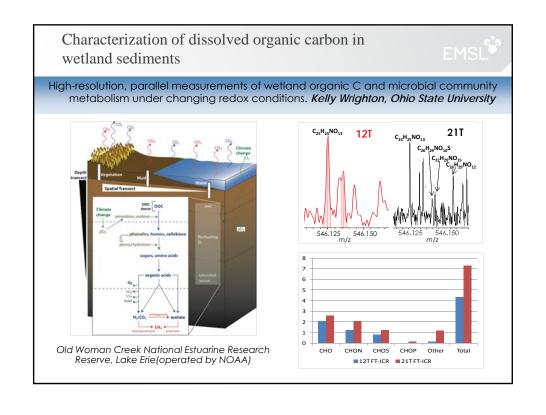


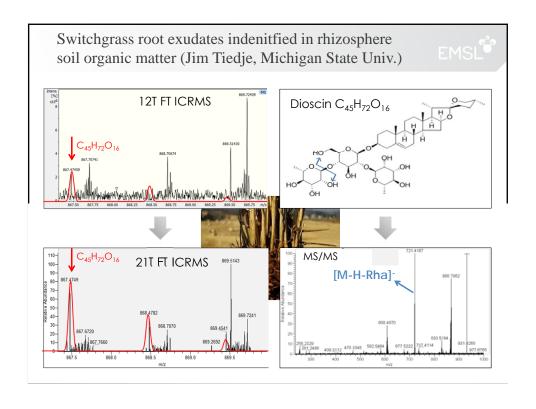


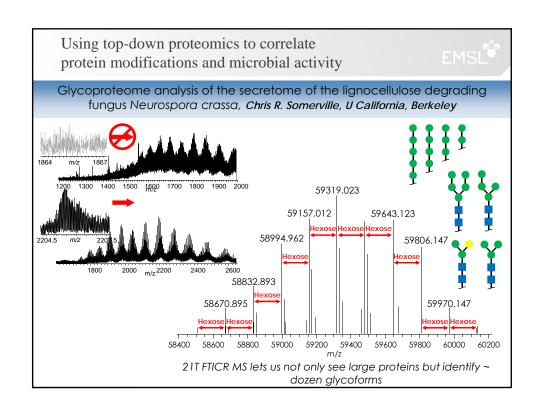


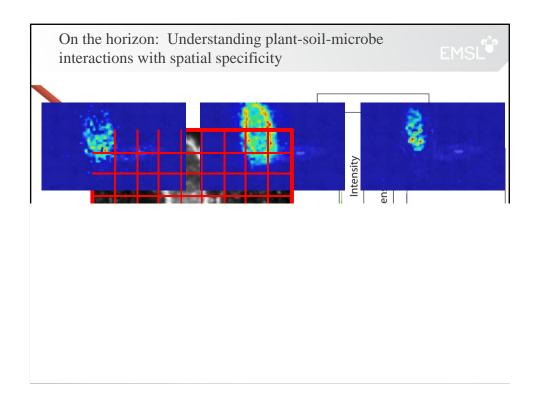


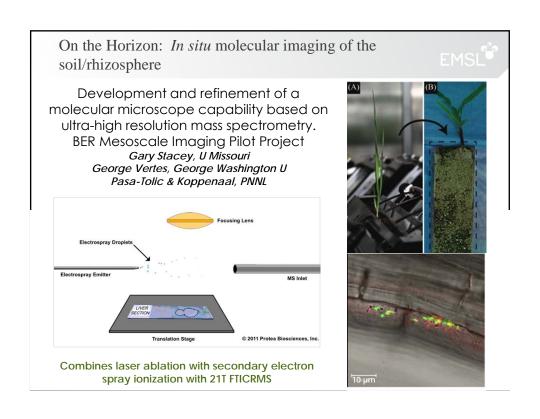


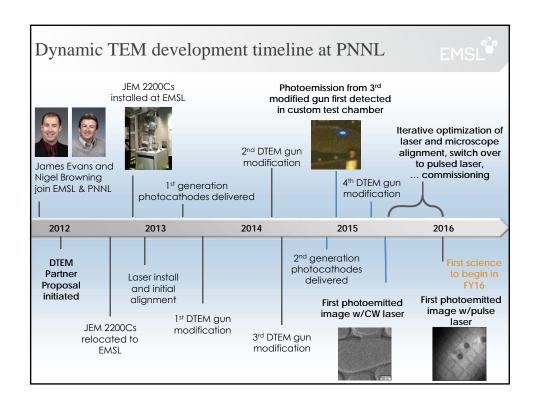


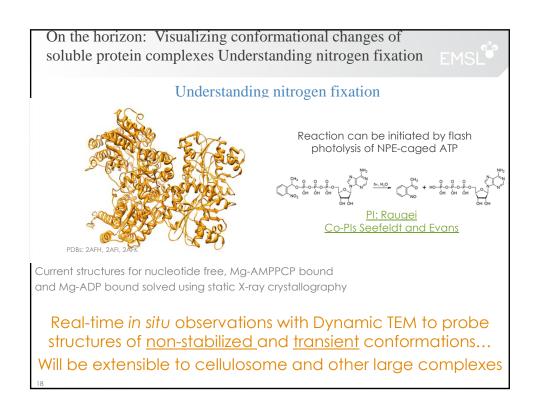








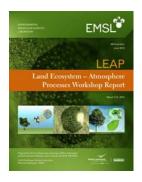


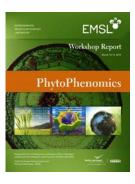


On the horizon: Exploring integrated plant-aerosol-soil sciences capability/facility



Advance our understanding of plant ecosystem dynamics by exploring interactions among plants, microbes, atmosphere, and soil in integrated Plant-Atmosphere-Soil Systems (iPASS)







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