

**III Simposio de Espectrometría de Masas Proteómica Celular y Molecular  
Biomarker From technology developed to biomedical application**

**P r o g r a m a**

	<b>Domingo 08</b>	<b>Lunes 09</b>	<b>Martes 10</b>	<b>Miercoles 11</b>	<b>Jueves 12</b>
09:00-09:50	Registration (Salón Duque)	09:00-18:00 Registration (Salón Duque)	Registration (Salón Duque)	Registration (Salón Duque)	Registration (Salón Duque)
09:00-10:30	Programa Educacional 1 <b>M. en C. Francisco Rojo</b> Principios basicos de cromatografía y su acoplamiento a espectrometría de masas	09:00-09:50 Plenary lecture II <b>Dr. Richard Caprioli</b> Molecular profiling/Imaging of compounds in tissues by mass spectrometry: assessing spatial and temporal Changes	Plenary lecture IV <b>Dr. Jack Throck Watson</b> Effect of disulfide bond formation on local structure conformation in polypeptides as assessed by pulsed deuterium exchange and analysis of peptic fragments by mass spectrometry	Plenary lecture VI <b>Dr. Hans Peter Mock</b> Characterization of plant co-chaperones with homology to the human protein HOP (heat shock-organizing protein)	Plenary lecture VIII <b>Dr. Luis M.Terán Juárez</b> Análisis proteómico de secreciones nasales de niños con influenza A
10:30-11:30	Programa Educacional 2 <b>Dr. Jose L. Gallegos Pérez</b> Conceptos basicos en espectrometría de masas, CL análisis multidimensional y otras aproximaciones analíticas aplicadas al análisis proteómico.	09:50-10:40 Plenary lecture III <b>Dr. Cesar Batista</b> Estudio de la biodiversidad molecular de anfibios morelenses mediante espectrometría de masas	Plenary lecture V <b>Dr. Sixue Chen</b> Proteomics of plant redox regulatory networks	Plenary lecture VII <b>Dra. Maria C. Prieto Conaway</b> Advantages of high mass accuracy, resolving power and dynamic range of the MALDI LTO orbitrap for tissue imaging experiments	Plenary lecture IX <b>Dr. Robert Ventzki</b> 3D-Gel electrophoresis, a new approach to protein analysis
11:30-12:00	Coffee break	10:40-11:00 Coffee break	Coffee break	Coffee break	Coffee break
12:00-13:00	Programa Educacional 3 <b>Dra. Alicia Chagolla</b> Metodos de analisis de proteinas por espectrometría de masas, (PMF y métodos MSMS)	11:00-12:15 Symposium 1: Clinical Proteomics <b>Chair: Dr. Luis M.Terán Juárez</b>	Symposium 3: Proteomic of infectious diseases <b>Chair: Dr. Gerardo Corzo</b> <b>Dra. Victoria Pando</b> La proteómica como herramienta de investigación en enfermedades infecciosas	Symposium 5 <b>Chair: Dr. Luis González de la Vara</b> <b>Dr. Hans Vissers</b>	Symposium 6: Proteómica Bacteriana <b>Chair: Dr. Sergio Encarnación Guevara</b> <b>Dra. Yolanda López Vidal</b> Proteínas únicas y comunes entre la micobacterias no tuberculosis de origen clínico y ambiental
13:00-14:00	Programa Educacional 4 <b>Dr. Ernesto Rueda</b> Bioinformática en proteómica	11:00-11:35 <b>Dr. Richard Caprioli</b> Discovery of biomarkers in cancer from direct tissue analysis by mass spectrometry	<b>Rodríguez et al</b> Functional characterization of ubiquitylated protein	A data independent approach towards the qualitative and quantitative profiling of complex protein mixtures: fundamentals and challenges	<b>Dr. Sergio Encarnación Guevara</b> Proteoma, fosfoproteoma y secretoma de rhizobium etli
14:00-16:00	Lunch	11:35-12:15 <b>Dr. Genaro Pimienta</b> Proteomics in breast cancer	<b>Applied</b> <b>Dra. Cecilia Silva Sánchez</b> Flujo de trabajo para el descubrimiento de biomarcadores en proteómica	<b>Dra. Maria C. Prieto Conaway</b> A novel pressure ion trap for high throughput protein identification and highly sensitive analysis of drugs and metabolites	<b>Dr. Clara I. Espitia Pinzón</b> Interacciones patógeno-hospedero en tuberculosis. Un abordaje proteómico
16:50-17:00	<b>Official Opening</b>	12:15-13:30 Symposium 2: Proteómica Biomédica <b>Chair: Dr. Humberto Lanz</b> <b>Dr. Juan P. Reyes Grajeda</b> Análisis proteómico del estrés oxidativo en un modelo de arterosclerosis inducido por la dieta	Symposium 4: Plant proteomics <b>Chair: Dra. Bronwyn Barkla</b> <b>Dra. Bronwyn Barkla</b> Proteómica en plantas		Symposium 7: Nuevas Tecnologías <b>Chair: Dr. Jose L. Gallegos Pérez</b>
17:00-18:00	Plenary lecture I <b>Dr. Hans Peter Mock</b> Evaluation of plant genetic resources using proteomic approaches	12:15-12:40 <b>Dra. Rosa M. del Angel</b> Proteómica del Dengue <b>Dr. Sergio Encarnación Guevara</b> Proteómica del cáncer	<b>Dr. Silvia Valdéz</b> Análisis proteómico del estrés hídrico en células de <i>bouteloua gracilis</i> <b>Dr. Luis Gonzalez</b> Separation of beet root plasma membrane proteins according to their hydropathy and their identification by mass spectrometry	<b>Businnes Meeting</b>	<b>BRUKER</b> <b>Dr. Michael L. Easterling</b> Top-Down proteomics, a multiple-plataform primer <b>Dr. Jack Throck Watson</b> How resolving power of 60,000 and spectra acquisition rates of > 10Hz has gone from fancy to standard in just a year (new instrumentation from ASMS 2008 to ASMS 2009)
19:00-	Dinner	12:40-13:05 <b>Dra. Rosa M. del Angel</b> Proteómica del Dengue <b>Dr. Sergio Encarnación Guevara</b> Proteómica del cáncer	<b>Dr. Silvia Valdéz</b> Análisis proteómico del estrés hídrico en células de <i>bouteloua gracilis</i> <b>Dr. Luis Gonzalez</b> Separation of beet root plasma membrane proteins according to their hydropathy and their identification by mass spectrometry	<b>Businnes Meeting</b>	<b>BRUKER</b> <b>Dr. Michael L. Easterling</b> Top-Down proteomics, a multiple-plataform primer <b>Dr. Jack Throck Watson</b> How resolving power of 60,000 and spectra acquisition rates of > 10Hz has gone from fancy to standard in just a year (new instrumentation from ASMS 2008 to ASMS 2009)
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		13:30-15:30 Lunch	Lunch	Lunch	Lunch
		15:30-15:50 Oral Sessions <b>Sánchez-Hernández et al</b> Proteomic analysis of produced effect by focal cerebral	Oral Session <b>Herrera-Salgado et al</b> Enrichment of phosphopeptides by metal organic affinity		Oral Session <b>Serrano V. et al</b> Differential protein expression in anopheles albimanus
		15:50-16:10 <b>Flores-Perez et al</b> Differential proteomic analysis in liver of diabetic DB/DB	<b>Barba de la Rosa et al</b> Phosphopeptide analysis in arabidopsis thaliana		<b>Ramírez et al</b> Identification of immunogenic proteins from Mannheimia
		16:10-16:30 <b>Diaz-Tufinio et al</b> Potential biomarker in breast cancer	<b>Rosas-Cárdenas et al</b> Proteomic of prickly pears with contrasting ripening	Visit to San Luis Potosi	<b>Martínez-Obrigón et al</b> Phosphoproteome analysis of the <i>Saccharomyces cerevisiae</i>
		16:30-16:50 <b>Bautista-de Lucio et al</b> Differential protein expression in human pterygium	<b>Huerta-Ocampo et al</b> Proteomic analysis of amaranth roots and leaves under stress		<b>Martínez-Salgado et al</b> Two-dimensional blue native/SDS gel electrop.. <i>Candida albicans</i>
		16:50-17:10 <b>Ramón-Luing/R. Arroyo et al</b> An immunoproteomic approach to identify potential bio			<b>Ramón-Luing et al</b> Identification of subproteome of <i>Trichomas vaginalis</i>
		17:10-18:00 Poster session	Poster session		Concluding remarks
		19:00- Dinner	Dinner	Dinner	CENA DE CLAUSURA