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Symposia Clusters

E10. Biosensing with Plasmonics and Polaritonics

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ACOUSTO-PLASMONIC COUPLING IN METALLIC NANOPARTICLES

SE10-O001 *Invited Talk*

[Nicolas Large](#)

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LARGE-AREA SINGLE-CRYSTAL AU NANOPATES AS A NOVEL PLATFORM FOR BIOSENSORS

SE10-O002 *Invited Talk*

[Svetlana Neretina](#), Robert Hughes, Walker Tuff, Zachary Lawson

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PLASMONIC NANOPARTICLES SYNTHESIZED USING AQUEOUS EXTRACT OF SARGASSUM SPP. AND THEIR CATALYTIC PERFORMANCE



HOT-SPOTS IN PLASMONIC PHOTOCATALYSIS

SE10-O004 *Invited Talk*

[Miguel Ángel Correa-Duarte](#)

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ULTRAFAST PLASMON DYNAMICS FOR SENSING

SE10-O006 *Invited Talk*

[Gary Wiederrecht](#)

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EELS VARIATIONS OF GRAPHENE AND REDUCED GRAPHENE OXIDE BY INTERACTING WITH ACETAMINOPHEN

SE10-O007 *Oral*

[Ali Fransuani Jiménez González](#), Daniel Enrique Ceballos Herrera, Roberto Giovanni Ramírez Chavarría, Rosa María Ramírez Zamora, Luis Fernando Magaña Solís

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FABRICATION OF PARTICLE AND DENDRITE-BASED NOBEL METAL SERS PLATFORMS FOR BIOMOLECULAR SENSING

SE10-O008 *Invited Talk*

[Umapada Pal](#)

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MAPPING SURFACE PHONON POLARITONS WITH VISIBLE LIGHT



THYROXINE QUANTIFICATION AT LOW CONCENTRATIONS BY USING SILVER AND GOLD NANOPARTICLES AS SERS SUBSTRATES

SE10-O011 Oral

[Enrique Sánchez Mora](#), Paulina de León Portilla, Ana L. González

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OPTICAL CHIRAL FIELD IMAGING OF NANO-/MICRO-STRUCTURED MATERIALS

SE10-O012 Invited Talk

[Hiromi Okamoto](#)

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LIPID-COATED GOLD NANOPARTICLES FOR PLASMONIC DETECTION OF TUBERCULOSIS-ASSOCIATED ANTIBODIES

SE10-O013 Oral

[Armando H. Becerra](#), Mariana G. Flores, José P. Palma-Nicolás, Gonzalo Ramírez-García, Luz M. Lopez-Marin

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TEMPERATURE INDUCED TUNING OF THE SHAPE OF AU NANOPARTICLES

SE10-O014 Oral

[Monica Monserrat Martinez Garcia](#), Juan Luis Pichardo, Geonel Rodríguez-Gattorno, Juan Jose Alvarado Gil

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PHOTOCATALYSIS AND SELECTIVE OPTICAL SENSING WITH METAL-ORGANIC FRAMEWORKS

SE10-O016 *Invited Talk*

[Ramon Alvarez-Puebla](#)

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PLASMONIC SUBSTRATES FOR SURFACE ENHANCED FLUORESCENCE AND RAMAN SPECTROSCOPY

SE10-O017 *Invited Talk*

[Anatoliy Pinchuk](#)

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IDENTIFICATION OF NANOSTRUCTURAL AND NANOMECHANICAL PROPERTIES OF CHIKUNGUNYA VIRUS (CHIKV)

SE10-P001 *Poster*

[Veronica Arellano](#), Mauricio Comas-García, Miguel Angel Coronado-Ipiña, Julio Chacón, Johnny Chimborazo, Hiram Joazet Ojeda Galván, Mildred Quintana

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ECO-FRIENDLY AND BIOCOMPATIBLE GELATIN PLASMONIC FILTERS FOR UV-VIS-NIR LIGHT

SE10-P002 *Poster*

[Irving Brian Becerril-Castro](#), Yoel Negrín-Montecelo, Josep Moreno, Miguel Ángel Correa-Duarte, Vincenzo Giannini, Ramon Alvarez-Puebla

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GOLD NANOPARTICLES ENABLE ELLAGIC ACID DETECTION IN LEUKEMIA THERAPY

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[Jesús Antonio Navarro Soriano](#), [Jazmín Cristina Stevens Barrón](#), [Amanda Carrillo Castillo](#), [Christian Chapa](#)

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DETECTION OF INFLUENZA THROUGH GOLD NANOPARTICLES BOUND TO HEMAGGLUTININ (HA) AND NEURAMINIDASE (NA)

SE10-P009 Poster

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PHONON-PLASMON COUPLING IN ZN- AND TE-DOPED INGAASSB ALLOYS: INSIGHTS FROM RAMAN SPECTROSCOPY AND PHOTOLUMINESCENCE

SE10-P010 Poster

[Manolo Ramírez López](#), [Juan Pablo Siles Asaff](#), [Mauricio Parrales Duque](#), [Gerardo Villa Martínez](#), [Patricia Rodríguez Fragoso](#), [Yenny Lucero Casallas-Moreno](#)

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