

ASTRID PROPOSALS - 2015

Project acronym	Project title	Family Name	First Name	Home Institution	Country of Home institution
ISA-15-101	Synchrotron Radiation Circular Dichroism Spectroscopy of Soluble and Intrinsically-Disordered Protein Structure, Stability, and Folding	Wallace	Bonnie	University of London	UK
ISA-15-102	Synchrotron Radiation Circular Dichroism Spectroscopy of Oriented Membrane Proteins, Crystals and Fibres	Wallace	Bonnie	University of London	UK
ISA-15-103	Synchrotron Radiation Circular Dichroism Spectroscopy of Membrane Proteins: Ion Binding, Proteins Folding and Stability, Consequences of Disease-related mutants, and Drug Interactions	Wallace	Bonnie	University of London	UK
ISA-15-104	Asymmetric Photolysis of Nucleotide Precursor Molecules	Meierhenrich	Uwe J.	Université de Nice-Sophia Antipolis	FR
ISA-15-105	A spectroscopic search for band anticrossing in dilute bismide semiconductors	King	Philip	University of St Andrews	UK
ISA-15-106	Exploring Focused Electron Beam Induced Deposition (FEBID) Precursors by VUV Photoabsorption	LIMAO-VIEIRA	Paulo	Universidade Nova de Lisboa	PT
ISA-15-107	Characterizaion of electronic states of volatile anesthetics compounds by VUV photoabsorption	FERREIRA DA SILVA	Filipe	Universidade Nova de Lisboa	PT
ISA-15-108	Photoabsorption spectra of simple cyclic ethers	A. Smialek-Telega	Malgorzata	Gdansk University of Technology	PL
ISA-15-109	Soft x-ray absorption spectroscopy studies of carbon containing low-k dielectric materials	Hughes	Greg	Dublin City University,	IE
ISA-15-110	VUV photoabsorption studies of oxide thin films deposited by sputtering for environmental applications.	Serio	Susana	Universidade Nova de Lisboa	PT
ISA-15-111	Thin film growth and interface studies, related to the manufacturing of high current interest functional semiconductor systems.	Silva	Ana Gomes	Universidade Nova de Lisboa	PT
ISA-15-112	UV-light scattering from fused silica nanostructured surfaces, as models for Interstellar dust grains	Pascual	Natalia	The Open University	UK
ISA-15-113	PROCESSES AT MODIFIED SURFACES OF HEXAGONALLY STRUCTURED METALS: 1) ADSORPTION OF CO ON THE Pt/Ru(0001) INTERFACE	Godowski	Jan	University of Wroclaw	PL
ISA-15-114	Photoabsorption spectroscopy of solid phase benzene and polycyclic aromatic hydrocarbons in mixtures and layers with water ice, under astrophysically relevant conditions	Dawes	Anita	The Open University	UK
ISA-15-115	Magnetic Bi ₂ Se ₃ -based heterostructures as a model system to study vertical inter-QL exchange interactions in 3D topological insulators	Honolka	Jan	Academy of Sciences of the Czech Republic (ASCR)	CZ
ISA-15-116	Photoemission investigation of the Au/Bi ₂ Se ₃ (0001) system reactivity	Agnoli	Stefano	Dipartimento di Scienze Chimiche	IT
ISA-15-117	Using Jacalin and related family members to identify the contributions of fold motif and aromatic residue content in SRCD data	Janes	Robert W.	School of Biological and Chemical Sciences (SBCS)	UK
ISA-15-118	Understanding the interaction of the saliva protein statherin binding to the mineral hydroxyapatite of tooth enamel; towards developing an artificial saliva.	Anderson	Paul	University of London	UK
ISA-15-119	Vacuum ultraviolet study of some organic polyatomic molecules, with particular reference to Rydberg states in conjugated and heterocyclic systems.	Palmer	Michael H.	School of Chemistry	UK
ISA-15-120	Polyether ionophore Monensin: coordination ability towards divalent metal ions evaluated by SRCD spectroscopy	Pantcheva	Ivayla	University of Sofia,	BG
ISA-15-121	Electronic structure of novel 2D surface alloys	Osiecki	Jacek Roman	Max Lab	SE
ISA-15-122	oreoCUBE - Plight Sample and Solar Simulation measurements	Elaesser	Andreas	Leiden University	NL
ISA-15-123	Valence band and core level photoemission study of interface formation on transition metal dichalcogenides.	Cafolla	Attilio	School of Physical Sciences	IE

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ISA-15-124	CD studies of specific ion binding to the intrinsically disordered protein SiIE	Scott	David	School of Biosciences	UK
ISA-15-125	Probing the electronic band structure of δ -doped diamond	Wells	Justin	NTNU	NO
ISA-15-126	Smart DNA damage induced by UV	Raposo	Maria	CEFITEC	PT
ISA-15-127	The adsorption and decomposition of small hydrocarbons on K-covered Co single crystal surfaces	Venvik	Hilde J.	Department of Chemical Engineering	NO
ISA-15-128	Organic interfacial energetics upon molecular orientation	Liu	Xianjie	Linköping University,	SE
ISA-15-129	The use of SRCD in understanding of the allosteric effect and metal binding in artificial metalloproteins	Gyurcsik	Bela	University of Szeged	HU
ISA-15-130	Elementary processes involved in TTIP decomposition	Domenichini	Bruno	Université de Bourgogne	FR
ISA-15-131	A Fundamental Understanding of the Transition Polarizations of Biomolecules in the Far UltraViolet	Dafforn	Tim R.	University of Birmingham	UK
ISA-15-132	Structural and orientational changes prior to and during the formation of silk-Laponite nanocomposite gels	Dicko	Cedric	Lund University	S
ISA-15-133	Structure and membrane interactions of myelin proteins followed by SRCD spectroscopy	Kursula	Petri	University og Bergen	NO
ISA-15-134	Effects of agonists on temperature induced structural transitions in thermo receptors (TRPA1s) from mosquito and man.	Johanson	Urban	Lund University	SE
ISA-15-135	In-situ investigation of the manipulating of molecular spin and orbitals.	Song	Fei	Chinese Academy of Sciences	CN
ISA-15-1001	Angle-resolved photoemission spectroscopy on topological insulators, graphene and two-dimensional transition metal dichalcogenites	Hofmann	Philip	AU	DK
ISA-15-1002	Kinetics of DNA duplex formation studied by stopped flow VUV CD spectroscopy	Brøndsted Nielsen	Steen	AU	DK
ISA-15-1003	Electronic coupling between cytosine bases in RNA single strands revealed from synchrotron radiation circular dichroism	Brøndsted Nielsen	Steen	AU	DK
ISA-15-1004	Characterisation and functionalisation of single-layer MoS2 films grown via close proximity precursor supply	Duesberg	Georg S.	Trinity College Dublin	IE
ISA-15-1005	Characterisation of quadruplex DNA motifs by SRCD.	Aldrich-Wright	Janice	University of Western Sydney	AU
ISA-15-1006	The effect of the lipidic cubic phase on the conformation of embedded membrane proteins and peptides	Conn	Charlotte	RMIT University	AU
ISA-15-1007	Surface chemistry of Cobalt Oxide water splitting catalysts: A combined STM and XPS study	Vang Lauritsen	Jeppe	iNANO	DK
ISA-15-1008	Edge composition and support interaction in Au supported MoS2 nanocatalysts	Vang Lauritsen	Jeppe	iNANO	DK
ISA-15-1009	Electronic Spectroscopy with Polarized Light on Aligned Samples	Thulstrup	Peter W.	University of Copenhagen	DK
ISA-15-1010	Water interaction with NOx-removal model catalyst: VOx/Anatase – TiO2	Wendt	Stefan	iNANO	DK
ISA-15-1011	Growth and encapsulation of epitaxial silicene on ZrB2 surfaces	de Jong	Michel	MESA+ Institute for Nanotechnology	NL

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ISA-15-1012	Nitric oxide interaction with VOx/Anatase-TiO2 model catalysts	Wendt	Stefan	iNANO	DK
ISA-15-1013	Development of a Model [WOx (or MoOx) + VOx]/TiO2 (101) Selective Catalytic Reduction Catalyst for deNOx.	Reinecke	Benjamin	Lund University	SE
ISA-15-1014	Vacuum Ultraviolet Spectroscopy of Anodized Zr-Al Oxide Films	Canulescu	Stela	DTU	DK
ISA-15-1015	XPS studies of in situ synthesis of monolayer graphene on industrial grade stainless steel samples	Hornekær	Liv	IFA and iNANO	DK
ISA-15-1016	ARPES study of the thermally induced interaction of Cu with the polar ZnO(0001)-Zn surface	Vang Lauritsen	Jeppe	iNANO	DK
ISA-15-1017	Thermodynamical and structural study of protein fibers	Marasini	Carlotta	University of Copenhagen	DK
ISA-15-1018	Surface and alignment study of protein fibrils	Marasini	Carlotta	University of Copenhagen	DK
ISA-15-1019	Tuning self-assembled nanostructure of antimicrobial peptides for its antibacterial activity	Liu	PLei	iNANO	DK