

ASTRID PROPOSALS - 2014

Project acronym	Project title	Name of Project Manager		Home Institution	Country of Home institution
		Family Name	First Name		
ISA-14-101	Synchrotron Radiation Circular Dichroism Spectroscopy of Soluble and Intrinsically-Disordered Protein Structure, Stability, and Folding	Wallace	Bonnie	University of London	UK
ISA-14-102	Synchrotron Radiation Circular Dichroism Spectroscopy of Membrane Proteins: Ligand Binding, Folding, Lipid Effects, and Comparison with Crystal Structures	Wallace	Bonnie	University of London	UK
ISA-14-103	Synchrotron Radiation Circular Dichroism Spectroscopy of Peptides and Proteins in Langmuir Blodgett Films using a "Periscope"	Wallace	Bonnie	University of London	UK
ISA-14-104	Synchrotron Radiation Circular Dichroism Spectroscopy of Oriented Fibres and Crystals	Wallace	Bonnie	University of London	UK
ISA-14-105	SRCD as a useful tool studying complexation of polyether ionophores in solution	Pantcheva	Ivayla	University of Szeged	BG
ISA-14-106	Angle-resolved photoemission spectroscopy of ternary topological insulators doped with transition metal adatoms	Wiebe	Jens	University of Hamburg	DE
ISA-14-107	Photoemission study of interface formation between manganese and low-k dielectric materials	Hughes	Greg	Dublin City University	IE
ISA-14-108	Photoabsorption spectra of simple cyclic ethers	Smialek-Telega	Malgorzata	Gdansk University of Technology	PL
ISA-14-109	Vacuum ultraviolet study of some organic polyatomic molecules, with particular reference to Rydberg states in conjugated and heterocyclic systems.	Palmer	Michael	School of Chemistry	UK
ISA-14-110	Inter-band-gap states for photovoltaics; a resonant photoemission approach	Wells	Justin	Norwegian University of Science and Technology	NO
ISA-14-111	Resonant ARPES study of metallic states formed at polar and non-polar insulating oxide interfaces	Wells	Justin	Norwegian University of Science and Technology	NO
ISA-14-112	Processes at modified surfaces of hexagonally structured metals: 1) Adsorption of carbon monoxide on the the Co/Re (0001) Interface	Godowski	Przemyslaw Jan	University of Wroclaw	PL
ISA-14-113	Interactions of aromatic sidechains of amino acids in differing hydrophilic/hydrophobic environments to form organogels: implications for protein folding/misfolding in "prion-related" diseases	Rodger	Alison	University of Warwick	UK
ISA-14-114	Using Jacalin and related family members to identify the contributions of fold motif and aromatic residue content in SRCD data	Janes	Robert	University of London	UK
ISA-14-115	Understanding the interaction of the saliva protein statherin binding to the mineral hydroxyapatite of tooth enamel; towards developing an artificial saliva.	Andersen	Paul	University of London	UK
ISA-14-116	Investigating the involvement of Nedd4 and its substrate PMEPA1 in the progression of prostate cancer	Sullivan	James	University of London	UK
ISA-14-117	Electronic states spectroscopy of biofuels derivatives probed by VUV photoabsorption	Ferreira Da Silva	Filipe	Universidade Nova de Lisboa	PT
ISA-14-118	Valence shell electronic spectroscopy of nitrocompounds as studied by high-resolution VUV photoabsorption measurements	Lima-Vieira	Paulo	Universidade Nova de Lisboa	PT
ISA-14-119	Asymmetric Photolysis of Nucleotide Precursor Molecules	Meierhenrich	Uwe	Université de Nice-Sophia Antipolis	FR
ISA-14-120	A spectroscopic search for band anticrossing in dilute bismide semiconductors	King	Philip	University of St. Andrews	UK
ISA-14-121	Formation of extended molecular nanowires on metal surfaces through covalent bonding of porphyrin molecules	Cafolla	Tony	Dublin City University	IE
ISA-14-122	Photoabsorption spectroscopy of solid phase polycyclic aromatic hydrocarbons in mixtures with water ice, under astrophysically relevant conditions	Dawes	Anita	The Open University	UK

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ISA-14-123	Photoemission and Resonant PhotoElectron Spectroscopy (RPES) study of platinum-doped cerium oxide thin films prepared by Chemical Vapor deposition (CVD)	Domenichini	Bruno	Université de Bourgogne	FR
ISA-14-124	Engineering the interfaces of an elemental topological insulator: strain and magnetic overlayers	Scholz	Markus	University of Wuerzburg	DE
ISA-14-125	VUV photoabsorption studies of oxide thin films deposited by sputtering for environmental applications	Sério	Susanne	New University of Lisbon	PT
ISA-14-126	OREOcube pre-Flight Sample Characterization	Ehrenfreund	Pascale	Leiden Institute of Chemistry	NL
ISA-14-127	Thin film growth and interface studies, related to the manufacturing of high current interest functional semiconductor systems	Silva	Ana Gomes	New University of Lisbon	PT
ISA-14-128	SRCD investigation of the folding and interactions of colicin E7 based artificial metallonucleases	Gyurcsik	Bela	University of Szeged	HU
ISA-14-129	Investigating the spin-orbit coupling mechanism of two-dimensional holes at the hydrogen-terminated diamond surface	Wells	Justin	Norwegian University of Science and Technology	NO
ISA-14-130	Engineering a band gap in graphene via hybridization with transition-metal adatoms	Wells	Justin	Norwegian University of Science and Technology	NO
ISA-14-131	A Fundamental Understanding of the Transition Polarizations of Biomolecules in the Far UltraViolet	Dafforn	Tim R.	University of Birmingham	UK
ISA-14-1001	ARPES studies on graphene, topological insulators and transition metal dichalcogenite monolayers	Hofmann	Philip	Aarhus University	DK
ISA-14-1002	Tuning self-assembled nanostructure of antimicrobial peptides for its antibacterial activity	Lui	Lei	Aarhus University	DK
ISA-14-1003	ARPES Study of the Heterostructure of Topological Insulators and Ferromagnetic insulator	Guan	Dandan	Dept. Of Physics, Shanghai	CH
ISA-14-1004	Kinetics of DNA duplex formation studied by stopped flow VUV CD spectroscopy	Brøndsted	Steen	Aarhus University	DK
ISA-14-1005	Electronic Spectroscopy with Polarized light on Aligned Samples	Spanget-Larsen	Jens	Roskilde University	DK
ISA-14-1006	Electronic coupling between cytosine bases in RNA single strands revealed from synchrotron radiation circular dichroism	Brøndsted	Steen	Aarhus University	DK
ISA-14-1007	and aggregation	Day	Li	CSIRO Animal, Food and Health Sciences	AU
ISA-14-1008	Structural Assembly of Bovine A1 and A2 β -casein Protein Variants	Day	Li	CSIRO Animal, Food and Health Sciences	AU
ISA-14-1009	Analysis of platinum complex-DNA binding interactions via SRCD spectra and melting profiles	Aldrich-Wright	Janice	University of Western Sydney	AU
ISA-14-1010	Characterisation of quadraplex DNA motifs by SRCD	Aldrich-Wright	Janice	University of Western Sydney	AU
ISA-14-1011	Cobalt oxide model catalysts: a combined STM and XPS study	Lauritsen	Jeppe Vang	Aarhus University	DK
ISA-14-1012	Detector tests for CERN NA63 experimental group and investigation of Cherenkov radiation from birefringent crystals.	Uggerhøj	Ulrik	Aarhus University	DK
ISA-14-1013	XPS Studies of VOx/TiO2 based NOx removal model catalysts	Lauritsen	Jeppe Vang	Aarhus University	DK
ISA-14-1014	Identification of cysteine-rich peptide fiber by specific residue exposure on fiber surface	Dong	Mingdong	Aarhus University	DK
ISA-14-1015	XPS Studies of anatase TiO2 model photo-catalysts	Wendt	Stefan	Aarhus University	DK