

ELISA proposals 2009-2010

Project proposals 2009- 2010					
Project acronym	Project title	Name of Project Manager		Home Institution	Country of Home Institution
		Family Name	First Name		
ISA-09-101	Electronic excitation and optical oscillator strength of halogenated alkenes and heterocyclic molecules by high resolution UV-VUV photoabsorption. The case of bromine-and iodine-derivatives of environmental interest.	Hubin-Franskin	Jean-Marie	University of Liège	FR
ISA-09-102	Asymmetric Amino Acid Photolysis (AAP)	Meierhenrich	Uwe	Université de Nice-Sophia Antipolis	FR
ISA-09-103	Oriented Synchrotron Radiation Circular Dichroism and Linear Dichroism Spectroscopy of Peptides in Model Membranes	Wallace	Bonnie	University of London	UK
ISA-09-104	Synchrotron Radiation Circular Dichroism Studies of Soluble Proteins, Glycoproteins, and Membrane Proteins: Ligand and drug binding, fold recognition and thermal stability Part 2: Development of New Methodologies	Wallace	Bonnie	University of London	UK
ISA-09-105	ARPES studies of sub-band renormalization in semiconductor surface quantum wells	McConville	Chris	University of Warwick	UK
ISA-09-106	Density-dependent many-body interactions at InAs and InSb surfaces	McConville	Chris	University of Warwick	UK
ISA-09-107	Interactions of aromatic sidechains of amino acids in differing hydrophilic/hydrophobic environments monitored in the extended SRCD wavelength range	Janes	Robert	University of London	UK
ISA-09-108	Monitoring the conformational and thermal stability changes induced by the binding of selected steroids and steroid like drugs to the estrogen receptors alpha and beta.	Janes	Robert	University of London	UK
ISA-09-109	Mechanistic and thermal stability studies on tropomyosin/myosin unfolding/folding wild type and mutant proteins	Janes	Robert	University of London	UK
ISA-09-110	Electronic properties of Bi thin films on InAs(100).	Ahola-Tuomi	Marja	University of Turku	FI
ISA-09-111	Photoemission characterisation of the atomic hydrogen cleaning of ZnO surfaces	Hughes	Gregory	Dublin City University	IE
ISA-09-112	Photoionization cross section measurements on Si and Mn ions	West	John	Daresbury Laboratory	UK
ISA-09-113	Electronic properties of potassium intercalated graphene on Ir(111) and Rh(111)	Lizzit	Silvano	Sincrotrone Trieste	IT
ISA-09-114	Electronic structure of pseudomorphic Bi layers on an AlPdMn quasicrystal surface	McGrath	Ronan	The University of Liverpool	UK
ISA-09-115	The electronic structure of self-assembled biomolecular layers on Cu(110)	Raval	R.	The University of Liverpool	UK
ISA-09-116	VUV absorption spectra of molecules of prebiotic interest	Leach	Sydney	LERMA, Paris	FR
ISA-09-117	Use of linear dichroism to study rapid processes in biology.	Dafforn	Timothy	University of Birmingham	UK
ISA-09-118	The adsorption of nanomesh-forming molecules on germanium surfaces	McGovern	Ignatius	Trinity College, Dublin	IE
ISA-09-119	Linear dichroism for biomolecular interactions: biomacromolecule/fluorophore interactions and FtsZ/protein complexes.	Rodger	Alison	University of Warwick	UK
ISA-09-120	Electronic excitation of long chain fatty acids by high resolution VUV photoabsorption: fluorinated and chlorinated carboxylic acids derivatives.	Lima-Vieira	Paulo	New University of Lisbon	PT
ISA-09-121	Aeronomically relevant molecules studied by high resolution VUV photoabsorption: plasma processing and biogenic emission species.	Lima-Vieira	Paulo	New University of Lisbon	PT
ISA-09-122	SRCD investigation of protein-lipid nanosystems relevant to nanostructure-mediated drug delivery in neurodegenerative disorders	Angelova	Angelina	Université de Paris - Sud	FR

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ISA-09-123	Phase transformations of two-dimensional metal adsorbate on ruthenium	Godowski	Jan P.	University of Wroclaw	PL
ISA-09-124	VUV photoabsorption of oxide thin films for photocatalyst systems	Nunes	Yuri Fonseca	New University of Lisbon	PL
ISA-09-125	A photoemission study of the oxidation of manganese porphyrin monolayers on the Au(111) surface.	Cafolla	Tony	Dublin City University	IE
ISA-09-126	First stages of zircalloy oxidation	Domenichini	Bruno	Université de Bourgogne	FR
ISA-09-127	Mechanism of carbonyl decomposition under electron beam	Sylvie	Bourgeois	Université de Bourgogne	FR
ISA-09-128	Structural biology of the nervous system	Kursula	Petri	University of Oulu	FI
ISA-09-129	Linear dichroism for membrane protein structure and folding	Hicks	Matthew R.	University of Warwick	UK
ISA-09-130	Chemical interaction and charge transfer at organic semiconductor and ferromagnetic material interfaces for organic spintronics devices	Zahn	Yiqiang	Linköping University	SE
ISA-09-131	Simultaneous mechanical and spectroscopic characterisation of silk fibres using UV-SRLD	Dicko	Cedric	University of Oxford	UK
ISA-09-132	Size effects of 1D template defined nanostructures on Si surfaces.	Silva	Ana Gomes	New University of Lisbon	PT
ISA-09-133	Characterization of damage caused by uv radiation in thin films of dna intercalated with methylene blue	Raposo	Maria	New University of Lisbon	PT
ISA-09-134	SRCD investigation of metalloenzyme mimicking peptide complexes	Gyurcsik	Bela	University of Szeged	HU
ISA-09-135	UV damage to DNA in presence of aqueous sensitisers	Śmialek-Telega	Małgorzata	Gdansk University of Technology	PL
ISA-09-136	Evaluation of shielding against radiation effects on the survival of extremophile microorganisms	Mason	Nigel	The Open University	UK
ISA-09-137	VUV spectroscopy of astrochemical ices	Mason	Nigel	The Open University	UK
ISA-09-1001	Electronic Spectroscopy with Polarized light on Aligned Samples	Spanget-Larsen	Jens	Roskilde University	DK
ISA-09-1002	XPS Studies of molybdenum sulfide nanoclusters on Au(111)	Vang Lauritsen	Jeppe	Aarhus University	DK
ISA-09-1003	UV spectra of newly isolated bacterial pigments – and their contribution to in situ UV tolerance	Finster	Kai	Aarhus University	DK
ISA-09-1004	Structural properties of myelin basic protein in membrane-like environments: a model for nerve inflammation in multiple sclerosis	Vorup-Jensen	Thomas	Aarhus University	DK
ISA-09-1005	Oriented CD on antimicrobial peptides	Vijay	Shankar	Aarhus University	DK
ISA-09-1006	Synchrotron radiation circular dichroism of DNA single and double strands	Nielsen	Steen Brøndsted	Aarhus University	DK
ISA-09-1007	Synchrotron radiation circular dichroism of DNA triplexes and quadruplexes	Nielsen	Steen Brøndsted	Aarhus University	DK
ISA-09-1008	Synchrotron radiation absorption and circular dichroism of retinal model chromophores – the molecules of vision	Nielsen	Steen Brøndsted	Aarhus University	DK
ISA-09-1009	Implementation of Synchrotron Radiation Linear Dichroism (SRLD) and SRLD studies of fibrillated proteins.	Otzen	Daniel Erik	Aarhus University	DK
ISA-09-1010	New CD techniques to probe the structure of serum albumin in health and disease	Pattenden	Leonard K.	RMIT University	AU
ISA-09-1011	Structural stabilization of pharmaceutical proteins – fast formulation selection by focused analysis	Bagger	Heidi	Ferring Pharmaceuticals	DK
ISA-09-1012	Search for new self-activating surface reaction mechanisms	Morgen	Per	Syddansk Universitet	DK
ISA-09-1013	Flow Linear Dichroism Studies of Membrane-spanning Antimicrobial Peptides	Thulstrup	Peter	University of Copenhagen	DK

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ISA-09-1014	CD DNA binding of platinum(II) intercalating compounds	Aldrich-Wright	Janice	School of Biomedical and Health Sciences	AU
ISA-09-1015	Impact of deamidation on wheat protein conformation in solution and at emulsion interfaces	Day	Li	Food Science Australia	AU
ISA-09-1016	Denaturation of Proteins at interfaces	Wooster	Timothy	Food Science Australia	AU
ISA-09-1017	Cold Electron Scattering in Solids	Field	David	Aarhus University	DK
ISA-09-1018	XPS Studies of molybdenum sulfide nanoclusters on Au(111)	Lauritsen	Jeppe Wang	Aarhus University	DK