



Áreas / Fields	Investigadores / Researchers' Names'	Grupo investigación / Research Group	MODALIDAD	
			Líneas de investigación / Research Lines	
			Tesis Doctorales	Investigación Posdoctoral
CIENCIAS DE LA SALUD / HEALTH SCIENCE				
1 CIENCIAS DE LA SALUD / HEALTH SCIENCE	Pedro de la Villa Polo Dpto. Fisiología	Visual Neurophysiology	<ul style="list-style-type: none"> • Retinal Physiology <ul style="list-style-type: none"> – Physiology of Retinal Cells (ionic channels and receptors) – Synaptic transmisión in the retina (neurotransmitters and neuromodulators) – Retinal circuitry • Retinal Neurodegeneration <ul style="list-style-type: none"> – Animal models of retinal degeneration – New drugs for the treatment of retinal degeneration • Técnicas experimentales (en inglés) <ul style="list-style-type: none"> – Electrophysiology <ul style="list-style-type: none"> Intracellular/Extracellular recordings Patch clamp recordings Electroretinography Visual Evoked potentials • Immunocytochemistry <ul style="list-style-type: none"> – Optical and Electron Microscopy – Confocal microscopy 	<ul style="list-style-type: none"> • Retinal Physiology <ul style="list-style-type: none"> – Physiology of Retinal Cells (ionic channels and receptors) – Synaptic transmisión in the retina (neurotransmitters and neuromodulators) – Retinal circuitry • Retinal Neurodegeneration <ul style="list-style-type: none"> – Animal models of retinal degeneration – New drugs for the treatment of retinal degeneration • Técnicas experimentales (en inglés) <ul style="list-style-type: none"> – Electrophysiology <ul style="list-style-type: none"> Intracellular/Extracellular recordings Patch clamp recordings Electroretinography Visual Evoked potentials • Immunocytochemistry <ul style="list-style-type: none"> – Optical and Electron Microscopy – Confocal microscopy
1 CIENCIAS DE LA SALUD / HEALTH SCIENCE	Inés Díaz-Laviada Marturet Dpto. Bioquímica y Biol. Molecular	Neuroendocrinología del Sistema Cannabinoide/Vanilloide	<ul style="list-style-type: none"> • Antitumorial action of cannabinoids on prostate cancer cells • Effect of cannabinoids in liver fibrosis 	<ul style="list-style-type: none"> • Antitumorial action of cannabinoids on prostate cancer cells • Effect of cannabinoids in liver fibrosis • Signalling mechanisms underlying capsaicin action on prostate cancer cells



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1 CIENCIAS DE LA SALUD / HEALTH SCIENCE	Antonio Jiménez Ruiz Dpto. Bioquímica y Biología Molecular	Mecanismos de acción de moléculas con actividad biológica (MOABAC)	<ul style="list-style-type: none"> • Molecular and Cellular strategies for the screening of new anti-Leishmania agents • Study of the cell death process in the protozoan parasite Leishmania 	<ul style="list-style-type: none"> • Molecular and Cellular strategies for the screening of new anti-Leishmania agents • Study of the cell death process in the protozoan parasite Leishmania
CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES				
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Bernardo Alarcos Alcázar Iván Marsá Maestre Dpto. Automática	Grupo de Ingeniería de Servicios Telemáticos	<ul style="list-style-type: none"> • Forensic Informatics: data recovery from encrypted devices 	<ul style="list-style-type: none"> • Forensic Informatics: data recovery from encrypted devices
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Miguel Ángel López Carmona Iván Marsá Maestre Dpto. Automática	Grupo de Ingeniería de Servicios Telemáticos	<ul style="list-style-type: none"> • Distributed and Decentralized Algorithms for Vehicle Traffic Routing 	<ul style="list-style-type: none"> • Distributed and Decentralized Algorithms for Vehicle Traffic Routing
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Iván Marsá Maestre Juan Ramón Velasco Pérez Dpto. Automática	Grupo de Ingeniería de Servicios Telemáticos	<ul style="list-style-type: none"> • Green computing and Urban Computing for Sustainability 	<ul style="list-style-type: none"> • Green computing and Urban Computing for Sustainability
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Iván Marsá Maestre Miguel Ángel López Carmona Dpto. Automática	Grupo de Ingeniería de Servicios Telemáticos	<ul style="list-style-type: none"> • Characterization and generation of scenarios for automated 	<ul style="list-style-type: none"> • Characterization and generation of scenarios for automated



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2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Sancho Salcedo Sanz Dpto. Teoría de la Señal y Comunicaciones	Grupo de Heurísticos Modernos de Optimización y Diseño de Redes (GHEODE)	<ul style="list-style-type: none"> •Soft-Computing Techniques for prediction problems in Energy applications •Evolutionary computation in Wind farm design •Neural computation in meteorological and Energy prediction problems 	<ul style="list-style-type: none"> •Soft-Computing Techniques for prediction problems in Energy applications •Evolutionary computation in Wind farm design •Neural computation in meteorological and Energy prediction problems
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Guillermo Ibañez Dpto. Automática	Ingeniería de Servicios Telemáticos	<ul style="list-style-type: none"> • Advanced Ethernet Bridging for Campus, Data Centers and Metro Networks (Limited financing possibilities) 	<ul style="list-style-type: none"> • Advanced Ethernet Bridging for Campus, Data Centers and Metro Networks (Limited financing possibilities)
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Tomasa Calvo Dpto. de Ciencias de la Computación	Fusión de la Información y Lógica Difusa (FILOD)	<ul style="list-style-type: none"> • Information Fusion: aggregation functions, fuzzy integrals and fuzzy measures • Fussy logic operators 	<ul style="list-style-type: none"> • Information Fusion: aggregation functions, fuzzy integrals and fuzzy measures • Fussy logic operators • Functional equiations • Multicriteria decision making
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	José Manuel Arco Rodríguez Dpto. Automática	Ingeniería de Servicios Telemáticos	<ul style="list-style-type: none"> • Advanced Ethernet Switching for Campus and Data Centers Networks 	<ul style="list-style-type: none"> • Advanced Ethernet Switching for Campus and Data Centers Networks



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2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Pilar Chias Dpto. Arquitectura	Intervención en el Patrimonio y Arquitectura Siostenible	<ul style="list-style-type: none"> • Cultural Heritage: study and preservation • History of Cartography • GIS for land planning • Historical landscapes • Sustainable architecture • Sustainable cities (Green cities) • Sustainable landscape 	<ul style="list-style-type: none"> • Cultural Heritage: study and preservation • History of Cartography • GIS for land planning • Historical landscapes • Sustainable architecture • Sustainable cities (Green cities) • Sustainable landscape
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	Rafael Rico López Raúl Durán Díaz Dpto. Automática	Grupo de Computación de Altas Prestaciones	<ul style="list-style-type: none"> . Analysis of Instruction Set Architectures influence on ILP Software and hardware development of cryptographic operators . Novel schemes in digital multisignature 	<ul style="list-style-type: none"> . Analysis of Instruction Set Architectures influence on ILP Software and hardware development of cryptographic operators . Novel schemes in digital multisignature
2 CIENCIAS TECNOLÓGICAS / EXACT SCIENCES AND TECHNOLOGIES	M ^a Dolores Rodríguez Moreno Dpto. Automática	Grupo de Sistemas Inteligentes	<ul style="list-style-type: none"> • Robotics • Autonomous control • Cognitive Architectures • Computational Evolution • Planning and Scheduling • Goal Recognition 	<ul style="list-style-type: none"> • Robotics • Autonomous control • Cognitive Architectures • Computational Evolution • Planning and Scheduling • Goal Recognition
CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES				
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Juan Rafael Senra Pons Dpto. Matemáticas		<ul style="list-style-type: none"> • Symbolic and Symbolic-Numeric Computation • Symbolic Algebraic Geometry (Curves, Surfaces and applications) 	<ul style="list-style-type: none"> • Symbolic and Symbolic-Numeric Computation • Symbolic Algebraic Geometry (Curves, Surfaces and applications)



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3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Carlos Esebbag Benchimol Dpto. Matemáticas		<ul style="list-style-type: none"> • Study of quantum integrability and exactly solvable models. • Derivation of the Richardson Gaudin models from the Bethe ansatz in the classical limit. • Extensions and generalizations of the Richardson-Gaudin models guided by the Bethe ansatz. • Numerical applications to mesoscopic systems like small metallic grains, quantum dots and atomic nuclei 	<ul style="list-style-type: none"> • Study of quantum integrability and exactly solvable models. • Derivation of the Richardson Gaudin models from the Bethe ansatz in the classical limit. • Extensions and generalizations of the Richardson-Gaudin models guided by the Bethe ansatz. • Numerical applications to mesoscopic systems like small metallic grains, quantum dots and atomic nuclei
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	M. ^a Luisa Marina Alegre Dpto. Química Analítica e Ingeniería Química	Técnicas de Micro-(Separación)	<ul style="list-style-type: none"> • Development of new analytical methodologies for chiral separations by capillary electromigration and chromatographic techniques applied to the determination of compounds of interest in pharmaceutical, environmental, and food analysis fields. • Determination of the optical purity of enantiomerically pure drugs. • Analytical applications of new nanoadditives in capillary electromigration techniques. • Determination of amino acids, peptides, and proteins in foods by HPLC, micro/nano-HPLC and Capillary Electrophoresis. • New markers for the quality and safety of foods. • Characterization and determination of vegetable proteins (soybean and cereal proteins) applied to food quality control. • Determination of bioactive peptides in foodstuffs. • Food proteomics. 	<ul style="list-style-type: none"> • Development of new analytical methodologies for chiral separations by capillary electromigration and chromatographic techniques applied to the determination of compounds of interest in pharmaceutical, environmental, and food analysis fields. • Determination of the optical purity of enantiomerically pure drugs. • Analytical applications of new nanoadditives in capillary electromigration techniques. • Determination of amino acids, peptides, and proteins in foods by HPLC, micro/nano-HPLC and Capillary Electrophoresis. • New markers for the quality and safety of foods. • Characterization and determination of vegetable proteins (soybean and cereal proteins) applied to food quality control. • Determination of bioactive peptides in foodstuffs. • Food proteomics.



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3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Amelia Calonge García Dpto. Geología	Enseñanza de las Ciencias de la Tierra	. Earth Science in the education . Geology heritage conservation	. Earth Science in the education . Geology heritage conservation
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Belén Batanero Hernán Dpto. Química Orgánica	Electrosíntesis Orgánica	<ul style="list-style-type: none"> • Cathodic reductions: <ul style="list-style-type: none"> – Organic Synthesis through electron-transfer in solution – Organic Synthesis electrogenerated bases • Anodic Oxidations • Paired Electrosynthesis 	<ul style="list-style-type: none"> • Cathodic reductions: <ul style="list-style-type: none"> – Organic Synthesis through electron-transfer in solution – Organic Synthesis electrogenerated bases • Anodic Oxidations • Paired Electrosynthesis
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Juan José Vaquero Química Orgánica	Química Biológica	<ul style="list-style-type: none"> • Design and synthesis of cationic chromophores targeting DNA • Discovery of leads against targets involved in renal disease • Quinolizinium and related systems as acceptor units in nonlinear optical (NLO) systems • TosMIC and derivatives in heterocyclic synthesis. Total synthesis of alkaloids 	



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3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Carmen García Ruiz Dpto. Química Analítica e Ingeniería Química	Investigación en Química Forense	<ul style="list-style-type: none"> • The research topic of inquisitor is the development of new analytical tools for the interpretation of forensic cases. Specifically: <ul style="list-style-type: none"> – Methodologies by capillary electrophoresis for the determination of organic and inorganic components of military, civil and home-made (IEDs) explosives – Methodologies by chromatographic techniques (high performance liquid chromatography, ionic chromatography, high performance thin layer chromatography and gas chromatography) for the analysis of explosives and other samples of criminalistics interest (e.g. taints, etc) – Methodologies by vibrational spectroscopic techniques (Raman and Fourier Transform Infrared Spectroscopy) to the analysis of explosives and other samples of criminalistics interest (gunshot residues, etc.) – Methodologies by molecular mass spectrometry (inductively coupled plasma mass spectrometry) for the analysis of samples of forensic interest (glass, ink, paint, paper, etc) – Methodologies by molecular mass spectrometry for the analysis of military, civil and home-made (IEDs) explosives – Methodologies by microscopy for the analysis of samples of forensic interest (glass, fiber, paper, etc.) • Chemometric strategies for the interpretation of data of forensic interest 	



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3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	M.ª Dolores Rodríguez Frías Dpto. Física	Space and Astroparticle (SPAS) Group	<ul style="list-style-type: none"> • Astroparticle Physics • Space Research • Cosmic Ray Research 	<ul style="list-style-type: none"> • Astroparticle Physics • Space Research • Cosmic Ray Research
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Ernesto de Jesús Alcañiz Juan Carlos Flores Serrano Dpto. Química Inorgánica	Catalysis, dendrimers and nanochemistry	<ul style="list-style-type: none"> • Organometallic catalysis in aqueous phase • Homogeneous catalysts supported on nanomaterials • Organometallic reactivity in aqueous phase • Molecular-weight enlarged catalysts using nanofiltration separation techniques 	<ul style="list-style-type: none"> • Organometallic catalysis in aqueous phase • Homogeneous catalysts supported on nanomaterials • Organometallic reactivity in aqueous phase • Molecular-weight enlarged catalysts using nanofiltration separation techniques
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Alberto Escarpa Dpto. Química Analítica e Ing. Química	Analytical Miniaturization and Nanotechnology (MINYNANOTEC)	<ul style="list-style-type: none"> • Design, development and applications of "labs-on-a-chip" analytical systems with advanced electrochemical sensing based on carbon nanotubes, nanoparticles and nanowires in the field of bioanalytical clinical and food analysis • New technologies for the development of advanced biosensors and sensor on microfluidic platforms in the field of bioanalytical, clinical and food analysis • Novel analytical applications of metallic nanoparticles • Advanced electroanalysis based on nanomaterials 	<ul style="list-style-type: none"> • Design, development and applications of "labs-on-a-chip" analytical systems with advanced electrochemical sensing based on carbon nanotubes, nanoparticles and nanowires in the field of bioanalytical clinical and food analysis • New technologies for the development of advanced biosensors and sensor on microfluidic platforms in the field of bioanalytical, clinical and food analysis • Novel analytical applications of metallic nanoparticles • Advanced electroanalysis based on nanomaterials



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3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	M.ª Selma Arias Pérez Dpto. Química Orgánica	Nucleasas Artificiales		<ul style="list-style-type: none"> • Our main research line comprises the synthesis and biological activity of small molecule ligands (and their metal complexes) which can interact with high order DNA/RNA structures. In particular, we are interested in the preparation of selective G-quadruplex DNA ligands as potential human Telomerase inhibitors • We are also interested in the synthesis of complex molecules based on carbohydrate or oligonucleotide conjugates for their use in cancer chemotherapy • Another research line includes the synthesis and characterization of DNA intercalants that can produce the cleavage of nucleic acids (artificial photonucleases). We also study their biological interaction and their application in Photodynamic Therapy (PDT).



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3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Lourdes Gude Dpto. Química Orgánica		<ul style="list-style-type: none"> • Our main research line comprises the study of the interactions between small molecule ligands (and their metal complexes) with high order DNA/RNA structures. In particular, we are interested in the synthesis of selective G-quadruplex DNA ligands as potential human Telomerase inhibitors. • We are also interested in the preparation of complex molecules based on or carbohydrate or oligonucleotide conjugates for their use in cancer chemotherapy • Another research line includes the synthesis and characterization of DNA intercalants that can produce the cleavage of nucleic acids (artificial photonucleases). We also study their biological interaction and their application in Photodynamic Therapy. • Finally, we work in the synthesis of cyclophane-type macrocycles which can behave as DNA cyclo-bisintercalants and/or as organic molecules receptors. 	<ul style="list-style-type: none"> • Our main research line comprises the study of the interactions between small molecule ligands (and their metal complexes) with high order DNA/RNA structures. In particular, we are interested in the synthesis of selective G-quadruplex DNA ligands as potential human Telomerase inhibitors. • We are also interested in the preparation of complex molecules based on or carbohydrate or oligonucleotide conjugates for their use in cancer chemotherapy • Another research line includes the synthesis and characterization of DNA intercalants that can produce the cleavage of nucleic acids (artificial photonucleases). We also study their biological interaction and their application in Photodynamic Therapy. • Finally, we work in the synthesis of cyclophane-type macrocycles which can behave as DNA cyclo-bisintercalants and/or as organic molecules receptors.
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Elena Domínguez Cañas Dpto. Química Analítica e Ing. Química	Grupo de Bioelectroquímica y biosensores	<ul style="list-style-type: none"> • Design and development of multidetection systems based on immunoelectrochemical detection • Biomimetic strategies towards nanotechnology • Amperometric biosensors 	<ul style="list-style-type: none"> • Design and development of multidetection systems based on immunoelectrochemical detection • Biomimetic strategies towards nanotechnology • Amperometric biosensors



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3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Miguel Ángel Esteso Díaz Dpto. Química Física	Electroquímica	<ul style="list-style-type: none"> • Determinación de propiedades termodinámicas y de transporte de disoluciones electrolíticas (densidad, viscosidad, conductividad) • Thermodynamic and transport properties determination for electrolyte solutions (sensity, viscosity, conductivity) 	<ul style="list-style-type: none"> • Determinación de propiedades termodinámicas y de transporte de disoluciones electrolíticas (densidad, viscosidad, conductividad) • Thermodynamic and transport properties determination for electrolyte solutions (sensity, viscosity, conductivity)
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Obis D. Castaño González Dpto. Química Física		<ul style="list-style-type: none"> • Computational Photochemistry and Photophysics • Computational Photobiology • Excited state molecular dynamics • Bifurcation Theory on Chemical Reactivity 	<ul style="list-style-type: none"> • Computational Photochemistry and Photophysics • Computational Photobiology • Excited state molecular dynamics • Bifurcation Theory on Chemical Reactivity
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Tomás Cuenca Dpto. Química Orgánica	Complejos Organometálicos en Procesos Catalíticos	<ul style="list-style-type: none"> • Syntesis and characterization of Coordination and Organometallics main groups ans transition metal complexes. Studies of catalytic properties 	<ul style="list-style-type: none"> • Syntesis and characterization of Coordination and Organometallics main groups ans transition metal complexes. Studies of catalytic properties



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3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	M ^º José Fernández Domínguez Dpto. de Química Orgánica	Nucleasas artificiales		<ul style="list-style-type: none"> • Our main research line comprises the study of the interactions between small molecule ligands (and their metal complexes) with high order DNA/RNA structures. In particular, we are interested in the synthesis of selective G-quadruplex DNA ligands as potential human Telomerase inhibitors. • We are also interested in the preparation of complex molecules based on carbohydrate or oligonucleotide conjugates for their use in cancer chemotherapy. • Another research line includes the synthesis and characterization of DNA intercalants that can produce the cleavage of nucleic acids (artificial photonic nucleases). We also study their biological interaction and their application in Photodynamic Therapy (PTD). • Finally, we work in the synthesis of cyclophane-type macrocycles which can behave as DNA cyclo-bisintercalants and/or as organic molecules receptors.
3 CIENCIAS EXPERIMENTALES / EXPERIMENTAL SCIENCES	Javier de la Mata de la Mata Dpto. Química Inorgánica	Grupo de dendrímeros para aplicaciones biomédicas (BIOINDEN)	<ul style="list-style-type: none"> • Dendritic systems (dendrimers and dendrons) for their use in nanomedicine and biotechnology • Carbosilane dendrimers as non viral vehicles for the transport of molecules with biological activity • Carbosilane dendrimers as therapeutic agents with antibacterial and antiviral properties. • Bioinorganic and Bioorganometallic Chemistry 	<ul style="list-style-type: none"> • Dendritic systems (dendrimers and dendrons) for their use in nanomedicine and biotechnology • Carbosilane dendrimers as non viral vehicles for the transport of molecules with biological activity • Carbosilane dendrimers as therapeutic agents with antibacterial and antiviral properties. • Bioinorganic and Bioorganometallic Chemistry



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CIENCIAS HUMANAS / HUMANITIES				
4 CIENCIAS HUMANAS / HUMANITIES	Margarita Vallejo Girvés Dpto. Historia I y Filosofía	Viaje y visiones del mundo	<ul style="list-style-type: none"> Exiles and banishment in the Mediterranean world during the late antiquity and early Byzantine Empire Displacement in the Mediterranean world during the Vth to VIIIth centuries 	<ul style="list-style-type: none"> Exiles and banishment in the Mediterranean world during the late antiquity and early Byzantine Empire Displacement in the Mediterranean world during the Vth to VIIIth centuries
4 CIENCIAS HUMANAS / HUMANITIES	Carlos Alvar Dpto. Filología	Centro de Estudios Cervantinos	<ul style="list-style-type: none"> Cervantes Spanish Literature of the Middle Ages Chivalry Romances Translation of Spanish Textes into English during 16th and 17th Centuries 	<ul style="list-style-type: none"> Cervantes Spanish Literature of the Middle Ages Chivalry Romances Translation of Spanish Textes into English during 16th and 17th Centuries
4 CIENCIAS HUMANAS / HUMANITIES	Paloma Ortíz de Urbina Dpto. Filología Moderna	Humanities for New Millenium Learners (HUMANMILL)	<ul style="list-style-type: none"> Innovation in university learning Cultural reception Cultural mediators Cultural reception German-Spain German-Spanish cultural transfer Richard Wagner's reception Arnold Schönberg's reception German history German literature 	<ul style="list-style-type: none"> Innovation in university learning Cultural reception Cultural mediators Cultural reception German-Spain German-Spanish cultural transfer Richard Wagner's reception Arnold Schönberg's reception German history German literature
4 CIENCIAS HUMANAS / HUMANITIES	Carmen Santamaría García Dpto. Filología Moderna		<ul style="list-style-type: none"> Discourse analysis Pragmatics Corpus Linguistics 	<ul style="list-style-type: none"> Intercultural Pragmatics



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4 CIENCIAS HUMANAS / HUMANITIES	José Santiago Fernández Vázquez Dpto. Filología Moderna		<ul style="list-style-type: none"> • Postcolonial Literatures in English • Literature in English 	<ul style="list-style-type: none"> • Postcolonial Literatures in English • Literature in English
4 CIENCIAS HUMANAS / HUMANITIES	Carmen Valero Garcés Depto Filología Moderna	Formación e investigación en traducción e interpretación en los servicios públicos (FITISPOS)	<ul style="list-style-type: none"> • Training translators and interpreters • Public service interpreting and translation • Cat tools and translation 	<ul style="list-style-type: none"> • Training translators and interpreters • Public service interpreting and translation • Cat tools and translation
4 CIENCIAS HUMANAS / HUMANITIES	Antonio García Gómez Dpto. Filología Moderna		<ul style="list-style-type: none"> • I am currently researching young people's digitised sexual identities. I have research expertise in gendered and sexualized (cyber)bullying, aggression and conflict in (new) media contexts. My research fall into several categories feminist linguistics, gender and (im-)politeness, and critical social theories: • Language and gender/sexual identities • Language and the media • Gender and (im-)politeness • Relational aggression and gendered violence • Girl studies 	
4 CIENCIAS HUMANAS / HUMANITIES	Carmen Flys Junquera Dpto. Filología Moderna	Ecocrítica	<ul style="list-style-type: none"> • Ecocritical theory • Ecofeminism in literature in English • Environmental justice in literature in English • Nature as other in literature in English • Representations of nature and earth others in film and popular genres in English 	<ul style="list-style-type: none"> • Ecocritical theory • Ecofeminism in literature in English, French or Spanish • Environmental justice in literature in English, French or Spanish • Nature as other in literature in English, French or Spanish • Representations of nature in children and young adult fiction, film and popular genres in English, French or Spanish



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4 CIENCIAS HUMANAS / HUMANITIES	Georg Pichler Filología Moderna		<ul style="list-style-type: none"> • Language and literature • Translation • Philology • Literature analysis • Others: relations between Literature and History • Theatre • Más específico: Cultural Relations between Spain and the German-speaking Countries 	<ul style="list-style-type: none"> • Language and literature • Translation • Philology • Literature analysis • Others: relations between Literature and History • Theatre • Más específico: Cultural Relations between Spain and the German-speaking Countries
4 CIENCIAS HUMANAS / HUMANITIES	Julio Seoane Pinilla Dpto. Historia I y Filosofía	Grupo de Invest. En Filosofía y Humanidades Contemporáneas	<ul style="list-style-type: none"> • SCOTTISH ENLIGHTENMENT • RADICAL ENLIGHTENMENT • SADE • FRENCH ENLIGHTENMENT • SENTIMENTAL NOVEL AND PHILOSOPHY • CIVIC VIRTUES AND EDUCATION 	<ul style="list-style-type: none"> • SCOTTISH ENLIGHTENMENT • RADICAL ENLIGHTENMENT • SADE • FRENCH ENLIGHTENMENT • SENTIMENTAL NOVEL AND PHILOSOPHY • CIVIC VIRTUES AND EDUCATION
4 CIENCIAS HUMANAS / HUMANITIES	Manuel F. Rábano Llamas Dpto. Filología Moderna		<ul style="list-style-type: none"> • Intercultural competence and modern language classroom practice • Reflective teaching practice in ESL • ICT and Language Learning 	
4 CIENCIAS HUMANAS / HUMANITIES	Cristina Tejedor Martínez Isabel de la Cruz Cabanillas Dpto. Filología Moderna	Análisis Lingüístico del Léxico	<ul style="list-style-type: none"> • Applied linguistics • Synchronic and diachronic linguistics • Lexicology and semantics • Lexicography • Terminology • Translation 	<ul style="list-style-type: none"> • Applied linguistics • Synchronic and diachronic linguistics • Lexicology and semantics • Lexicography • Terminology • Translation



Áreas / Fields	Investigadores / Researchers' Names'	Grupo investigación / Research Group	MODALIDAD	
			Líneas de investigación / Research Lines	
			Tesis Doctorales	Investigación Posdoctoral
4 CIENCIAS HUMANAS / HUMANITIES	Juan F. Elices Agudo Dpto. Filología Moderna		<ul style="list-style-type: none"> • Eighteenth-century literature • Satire theory and satirical literature • Dystopian literature • Postcolonial literature • Science-fiction and alternate history narrative 	<ul style="list-style-type: none"> • Eighteenth-century literature • Satire theory and satirical literature • Dystopian literature • Postcolonial literature • Science-fiction and alternate history narrative
4 CIENCIAS HUMANAS / HUMANITIES	Jesús García Laborda Dpto. Filología Moderna		<ul style="list-style-type: none"> • Language testing (optionally in connection to national research project) • Language teaching methodology • CLIL • Bilingual Education • English for Specific Purposes 	<ul style="list-style-type: none"> • Language testing (optionally in connection to national research project) • Language teaching methodology • CLIL • Bilingual Education • English for Specific Purposes
4 CIENCIAS HUMANAS / HUMANITIES	Marisol Morales Ladrón Dpto. filología Moderna			
4 CIENCIAS HUMANAS / HUMANITIES	José Ignacio Ruiz Rodríguez Dpto. Historia II		<ul style="list-style-type: none"> • Literatura inglesa del siglo XX • Literatura irlandesa • Literatura comparada • Estudios de género 	<ul style="list-style-type: none"> • Social history of religion in Early Modern Castile • Nobilities in Early Modern Europe • State building in Early Modern Europe



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5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Alejandro Iborra Cuéllar Leonor Margalef García Dpto. de Psicopedagogía y Educación Física	Formar , indagar y transformar (Grupo FIT)	<ul style="list-style-type: none"> • Innovation in teaching and training methodologies • Professional Development in Teachers and inquiry of its implications on the educational practice • Evaluation of the educational practice: programs, learning, processes, competences, conceptions and assumptios about evaluation 	
5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Emilio Chuvieco Dpto. de Geografía	Teledetección Ambiental	Improving methods for fire danger estimation and fire effects assessment based on Earth Observation and Geographic Information System (GIS) techniques	Improving methods for fire danger estimation and fire effects assessment based on Earth Observation and Geographic Information System (GIS) techniques: <ul style="list-style-type: none"> . Estimation of Vegetation Water Content . Fuel mapping from lidar sensors . Burned area mapping . Impacts of burned area and atmospheric emissions . Impacts of burned area on carbon-vegetation dynamics



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5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Pilar Lacasa Dpto. Psicopedagogía y Educación Física	Imágenes, Palabras e Ideas	<p>Three essential concepts summarize our theoretical and methodological approach, considering these aspects as interwoven one into each other.</p> <ol style="list-style-type: none"> Processes related to the acquisition of multiple and new literacies, associated with multimodal discourses and specially those present in videogames. We approach this general topic from a socio-cultural approach, by analyzing how mass media has become a bridge between multiple environments in which young people act in everyday life. We focus on a framework from which to rethink mass media and their audiences, paying specific attention to children who live immersed in convergent technologies and platforms. Since the concept of participatory culture we focus on active audiences and responsible citizens in the use of civic media. We perform our research in multiple and everyday contexts, considered as communities of practice, within an ethnographic and ecological perspective and related to action research. We combine interpretative approaches in which narrative and analytical processes are present. 	<p>Three essential concepts summarize our theoretical and methodological approach, considering these aspects as interwoven one into each other.</p> <ol style="list-style-type: none"> Processes related to the acquisition of multiple and new literacies, associated with multimodal discourses and specially those present in videogames. We approach this general topic from a socio-cultural approach, by analyzing how mass media has become a bridge between multiple environments in which young people act in everyday life. We focus on a framework from which to rethink mass media and their audiences, paying specific attention to children who live immersed in convergent technologies and platforms. Since the concept of participatory culture we focus on active audiences and responsible citizens in the use of civic media. We perform our research in multiple and everyday contexts, considered as communities of practice, within an ethnographic and ecological perspective and related to action research. We combine interpretative approaches in which narrative and analytical processes are present.



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5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Miguel Rodríguez Blanco Dpto. Ftos de Derecho y Dcho Penal	Sociedad, Derecho y Religión	<ul style="list-style-type: none"> • Systems of Religion Law in Europe • Religious freedom Derecho fundamental de libertad religiosa • Religious Discrimination and Hatred • The Property and Finances of Religion • Religion, Education and Public Institutions 	<ul style="list-style-type: none"> • Systems of Religion Law in Europe • Religious freedom Derecho fundamental de libertad religiosa • Religious Discrimination and Hatred • The Property and Finances of Religion • Religion, Education and Public Institutions
5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Manuel Lucas Durán Dpto. Derecho Público	Derecho y Empresa	<ul style="list-style-type: none"> • Renewable energies taxation • Environmental taxation • International and European Union Taxation • Gender and taxation 	<ul style="list-style-type: none"> • Renewable energies taxation • Environmental taxation • International and European Union Taxation • Gender and taxation
5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Vicenç Ribas Ferrer Dpto. Derecho Privado		<ul style="list-style-type: none"> • Company Law • Corporative governance 	<ul style="list-style-type: none"> • Company Law • Corporative governance
5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Carlos García Serrano Inmaculada Cebrián Gloria Moreno Cecilia Albert José M ^a Arranz Virginia Herranz Dpto. Ftos de Economía e H ^a Económica	Grupo de Economía Laboral de Alcalá (GELA)	<ul style="list-style-type: none"> • Worker and job turnover, unemployment duration, employment, working conditions, education and on-the-job training, evaluation of active and passive labour market polices, labour market participation of specific groups. 	<ul style="list-style-type: none"> • Worker and job turnover, unemployment duration, employment, working conditions, education and on-the-job training, evaluation of active and passive labour market polices, labour market participation of specific groups.



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5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Elena López Díaz- Delgado Dpto. Ftos de Economía e Hª Económica		<ul style="list-style-type: none"> Industrial Organization, Industrial Economics, Economic Regulation, Market structures 	<ul style="list-style-type: none"> Industrial Economics, Economic Regulation, Market structures
5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Juan Ramón Cuadrado Roura Dpto. Economía Aplicada		<ul style="list-style-type: none"> Cuestiones de Política Económica General: políticas de estabilidad, elaboración de las políticas, economía del bienestar, políticas de rentas, etc. Economía Regional: análisis estructural regional, convergencia, productividad Política Regional Comunitaria (UE) Economía de las actividades de servicios: cuestiones macroeconómicas, estudios sectoriales (particularmente, Turismo, Servicios a empresas, Transportes...) Productividad y Competitividad 	
5 CIENCIAS SOCIALES / SOCIAL SCIENCES	María Crespo Garrido Dpto. Economía Aplicada	Perspectivas de futuro de las políticas públicas de familia	<ul style="list-style-type: none"> Public policies of family Public finance Personal income tax, corporate income tax Family, disabilities Corporate social responsibility 	<ul style="list-style-type: none"> Public policies of family Public finance Personal income tax, corporate income tax Family, disabilities Corporate social responsibility
5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Juan de Dios Muro Romero Dpto. Estadística, Estruct.Econ. y OEI	Alcamétrica, Grupo de investigación en Econometría de la Univer. de Alcalá	<ul style="list-style-type: none"> Duration models – Generalized split duration models Labour economics applications 	<ul style="list-style-type: none"> Labour microeconometrics Treatment effects



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5 CIENCIAS SOCIALES / SOCIAL SCIENCES	Santiago Hierro Anibarro Dpto. Derecho Privado		<ul style="list-style-type: none"> • Company Law • Securities and Financial Markets Law • Commercial Law 	<ul style="list-style-type: none"> • Company Law • Securities and Financial Markets Law • Commercial Law
5 CIENCIAS SOCIALES / SOCIAL SCIENCES	J. Eduardo López Ahumada Dpto. Derecho Privado		<ul style="list-style-type: none"> • Activities of the International Labour Organisation in Labour Law • European Union and Labor Law 	<ul style="list-style-type: none"> • Activities of the International Labour Organisation in Labour Law • European Union and Labor Law
EN FRANCÉS				
4 CIENCIAS HUMANAS / HUMANITIES	Primitiva Bueno Dpto. Historia I y Filosofía	Prehistoria Reciente de la Cuenca interior del Tajo. Préhistoire Recent du bassin intérieur du Tage)	<ul style="list-style-type: none"> • Néolithique, calcolithique et bronze. Le thème le plus fort est le mégalithisme et tous les phénomènes culturels qui vont ensemble: la ceramique decorée ou pas, la première métallurgie, le campaniforme, le rituel funéraire, l'art mégalithique, les stèles, statues et menhirs, les idols,... etc. 	<ul style="list-style-type: none"> • Rapport entre le mégalithisme ibérique et le mégalithisme atlantique • Analyse des matériaux • Etude du campaniforme • Les images humaines
4 CIENCIAS HUMANAS / HUMANITIES	Rodrigo de Balbín Behrmann Dpto. Historia I y Filosofía	Graffias Prehistóricas	<ul style="list-style-type: none"> • Etude de l'art paléolithique ibérique • Documentation et systèmes de recherches appliqués à l'art préhistorique • L'art paléolithique au plein air • Gisement au pplan air du Douro • Les derniers chasseurs et ses expressions graphiques • Sile V dans l'Europe préhistorique • Art mégalithique, art schématique 	<ul style="list-style-type: none"> • Etude de l'art paléolithique ibérique • Documentation et systèmes de recherches appliqués à l'art préhistorique • L'art paléolithique au plein air • Gisement au pplan air du Douro • Les derniers chasseurs et ses expressions graphiques • Sile V dans l'Europe préhistorique • Art mégalithique, art schématique