

## Ficha de grupo de investigación

### DROGAS, TOXICOS AMBIENTALES Y METABOLISMO CELULAR

Código: BIO157

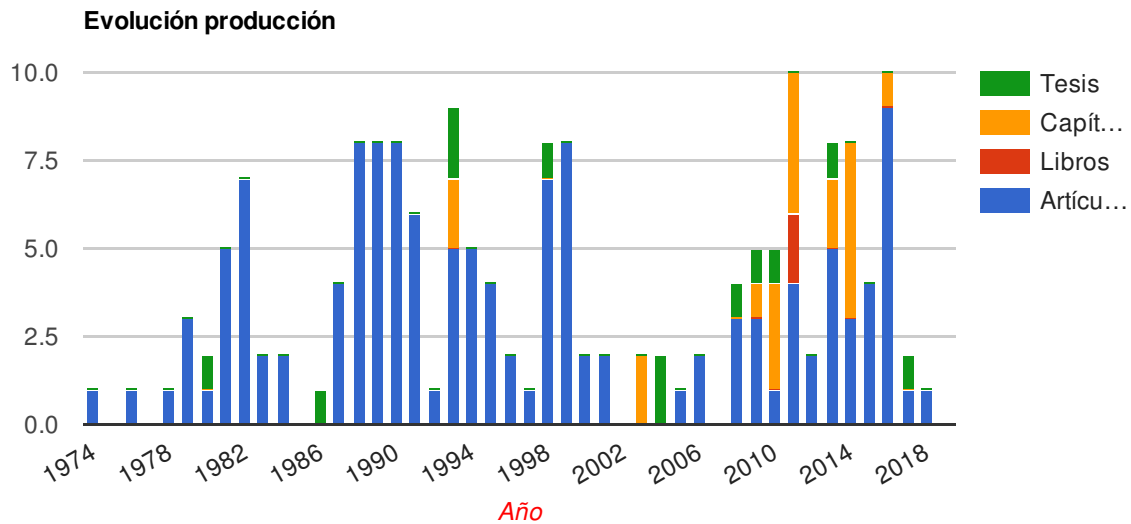
Responsable del grupo: JOSE ANTONIO LUPIAÑEZ CARA

#### Miembros

- JOSE ANTONIO LUPIAÑEZ CARA Catedrático de universidad Tiempo completo
- ENCARNACION LETICIA GARCIA SALGUERO Otros
- FERNANDO JESUS REYES ZURITA Profesor contratado doctor Tiempo completo
- EVA ENCARNACION RUFINO PALOMARES Profesor ayudante doctor Tiempo completo
- KHALIDA MOKHTARI Investigador/a Compartida
- ANA MARIA SANCHEZ TEVAR Investigador/a
- ISABEL GRIS CÁRDENAS Investigador/a Tiempo completo

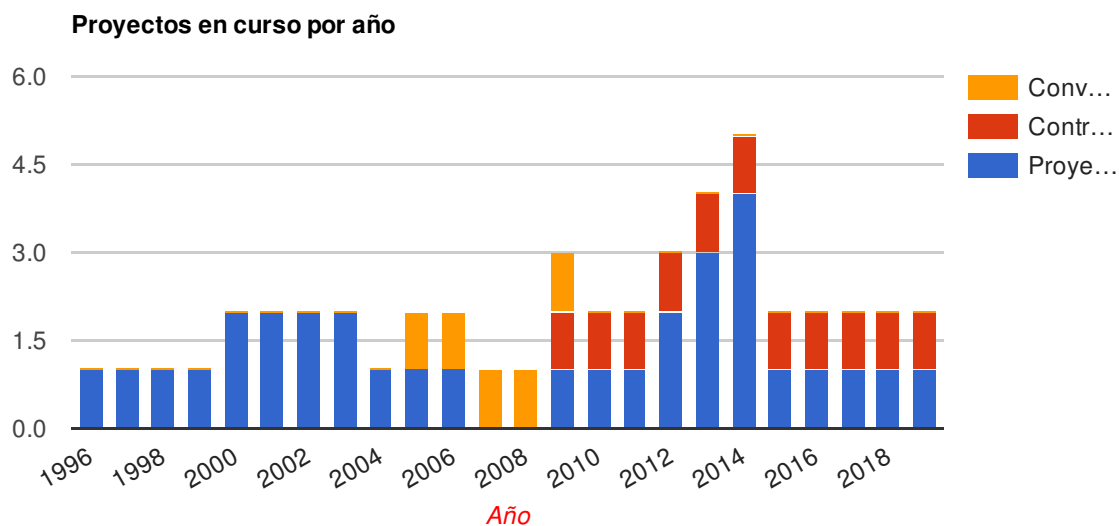
## Producción 288

- Artículos (233)
- Libros (2)
- Capítulos de Libros (37)
- Tesis dirigidas (16)



## Proyectos dirigidos 11

- Proyectos (9)
- Contratos (1)
- Convenios (1)



## Actividades 0

Titulo publicación	Fuente	Tipo	Fecha
Modulating anti-cancer potential by modifying the structural properties of a family of zinc metal-organic chains based on 4-nitro-1h-pyrazole	Crystal growth and design	Articulo	2018
Derivatización de triterpenos naturales para la obtención de compuestos bioactivos de eficacia mejorada como agentes anticancerígenos, antivirales, antiinflamatorios y/o antioxidantes.	Universidad de granada	Tesis doctoral	2017
Synthesis and in vitro antiproliferative evaluation of pegylated triterpene acids	Fitoterapia (milano, 1934)	Articulo	2017
Dietary arginine surplus does not improve intestinal nutrient absorption capacity, amino acid metabolism and oxidative status of gilthead sea bream (sparus aurata) juveniles	Aquaculture (amsterdam)	Articulo	2016
Dietary glutamine supplementation effects on amino acid metabolism, intestinal nutrient absorption capacity and antioxidant response of gilthead sea bream (sparus aurata) juveniles	Comparative biochemistry and physiology. part a, molecular & integrative physiology	Articulo	2016
Effects of culture densities on feed demand, behavioural tests and on the hepatic and cerebral oxidative status in tilapia (oreochromis sp.)	Applied animal behaviour science (print)	Articulo	2016
Long non-coding rnas as cancer biomarkers (9780128110225)	Cancer and noncoding rnas	Capítulo de libro	2016
Maslinic acid, a natural triterpene, induces a death receptor-mediated apoptotic mechanism in caco-2 p53-deficient colon adenocarcinoma cells	Plos one	Articulo	2016
Nadph production, a growth marker, is stimulated by maslinic acid in gilthead sea bream by increased nadp-iph and me expression	Comparative biochemistry and physiology. part c, toxicology & pharmacology	Articulo	2016
Semi-synthesis and antiproliferative evaluation of pegylated pentacyclic triterpenes	European journal of medicinal chemistry	Articulo	2016
Target molecules in 3t3-l1 adipocytes differentiation are regulated by maslinic acid, a natural triterpene from olea europaea.	Phytomedicine	Articulo	2016
The oleanolic acid derivative, 3-o-succinyl-28-o-benzyl oleanolate, induces apoptosis in b16-f10 melanoma cells via the mitochondrial apoptotic pathway		Articulo	2016
The oleanolic acid derivative, 3-o-succinyl-28-o-benzyl oleanolate, induces apoptosis in b16-f10 melanoma cells via the mitochondrial apoptotic pathway	Rsc advances: an international journal to further the chemical sciences	Articulo	2016
A new hplc-ms method for measuring maslinic acid and oleanolic acid in ht29 and hepg2 human cancer cells	International journal of molecular sciences	Articulo	2015
Anti-cancer and anti-angiogenic properties of various natural pentacyclic triterpenoids and some of their chemical derivatives	Current organic chemistry	Articulo	2015
Expression inactivation of smarca4 by micrnas in lung tumors	Human molecular genetics	Articulo	2015
Maslinic acid, a triterpene from olive, affects the antioxidant and mitochondrial status of b16f10 melanoma cells grown under stressful conditions	Evidence-based complementary and alternative medicine	Articulo	2015
Coaching as educational method to enhance university-students' performance	8th international technology, education and development conference (inted 2014)	Capítulo de libro	2014
Learning communities at the university: a new teaching approach	8th international technology, education and development conference (inted 2014)	Capítulo de libro	2014

	conference (inted 2014)		
M-learning: a novel methodology for teaching and learning at the university	6th international conference on education and new learning technologies (edulearn 2014)	Capítulo de libro	2014
Micromas as oncogenes and tumor suppressors	Micromas in medicine	Capítulo de libro	2014
Novel tools for continuous evaluation in university studies	6th international conference on education and new learning technologies (edulearn 2014)	Capítulo de libro	2014
Semi-synthesis of acylated triterpenes from olive-oil industry wastes for the development of anticancer and anti-hiv agents	European journal of medicinal chemistry	Artículo	2014
Semi-synthesis of acylated triterpenes from olive-oil industry wastes for the development of anticancer and anti-hiv agents	European journal of medicinal chemistry	Artículo	2014
Solid-phase library synthesis of bi-functional derivatives of oleanolic and maslinic acids and their cytotoxicity on three cancer cell lines	Acs combinatorial science	Artículo	2014
Antitumour activity on extrinsic apoptotic targets of the triterpenoid maslinic acid in p53-deficient caco-2 adenocarcinoma cells	Biochimie	Artículo	2013
Caracterización de los efectos antioxidantes y proliferativos del ácido maslínico en diferentes líneas tumorales	Facultad de ciencias, universidad de granada	Tesis doctoral	2013
Combined study of microarray expression and nmr metabolic profile as a powerful approach to identify potential chemopreventive activity of natural products	Febs journal	Artículo	2013
Feedback between universities and companies	7th international technology, education and development conference (inted 2013)	Capítulo de libro	2013
Maslinic acid-enriched diet decreases intestinal tumorigenesis in apcmin/+ mice through transcriptomic and metabolomic reprogramming	Plos one	Artículo	2013
Maslinic acid, a triterpenic anti-tumoural agent, interferes with cytoskeleton protein expression in ht29 human colon-cancer cells	Journal of proteomics	Artículo	2013
Personal learning environment in postgraduate studies	7th international technology, education and development conference (inted 2013)	Capítulo de libro	2013
The role of maslinic acid in the pentose phosphate pathway during growth of gilthead sea bream (sparus aurata)	Aquaculture nutrition	Artículo	2013
Maslinic acid and ration size enhanced hepatic protein-turnover rates of gilthead sea bream (sparus aurata)	Aquaculture nutrition	Artículo	2012
Maslinic acid, a natural triterpene, and ration size increased growth and protein turnover of white muscle in gilthead sea bream (sparus aurata).	Aquaculture nutrition	Artículo	2012
Efecto del ácido maslínico sobre el comportamiento cinético de los enzimas marcadores de crecimiento y del metabolismo proteico en dorada	Grontal, s.b.	Libros	2011
Maslinic acid and ration size enhanced hepatic protein-turnover rates of gilthead sea bream (sparus aurata)	Aquaculture nutrition	Artículo	2011
Papel del ácido maslínico en el crecimiento y recambio proteico de la dorada	Grontal, s.b.	Libros	2011
Proteomics in the liver of gilthead sea bream (sparus aurata) to elucidate the cellular response induced by the intake of maslinic acid	Proteomics	Artículo	2011

Proteomics in the liver of gilthead sea bream ( <i>sparus aurata</i> ) to elucidate the cellular response induced by the intake of maslinic acid	Proteomics	Articulo	2011
Profesor training at the university of granada	International technology, education and development conference (inted2011)	Capítulo de libro	2011
The natural triterpene maslinic acid induces apoptosis in ht29 colon cancer cells by a jnkp53- dependent mechanism	Bmc cancer	Articulo	2011
Teaching guide development in postgraduate studies	International technology, education and development conference (inted2011)	Capítulo de libro	2011
Tutoring at the university of granada. tutorial action plan	4th international conference of education, research and innovation (iceri 2011)	Capítulo de libro	2011
University practicum as optional subject in experimental sciences degrees	4th international conference of education, research and innovation (iceri 2011)	Capítulo de libro	2011
Alternative teaching tools in experimental sciences audiovisual aids	International conference on education and new learning technologies (edulearn 10)	Capítulo de libro	2010
Caracterización de los efectos proliferativos y anabólicos inducidos por el ácido maslínico	Universidad de granada. bioquímica y biología molecular i	Tesis doctoral	2010
Dietary protein differentially regulates the kinetic behaviour of serine dehydratase and tyrosine aminotransferase of liver and white muscle of rainbow trout	Comparative biochemistry and physiology. part b, biochemistry & molecular biology	Articulo	2010
Maslinic acid: a component of olive oil on growth and protein-turnover rates	Olives and olive oil in health and disease prevention. elsevier academic press	Capítulo de libro	2010
Visual arts as educational resource in biological sciences teaching	International conference on education and new learning technologies (edulearn 10)	Capítulo de libro	2010
Antiproliferative effect of flavomannin-6,6'-dimethylether from tricholoma equestre on caco-2 cells	Toxicology	Articulo	2009
Aplicación didáctica de nuevas tecnologías para la elaboración de un curso virtual de iniciación al trabajo en un laboratorio de ciencias experimentales	li congreso internacional de formación docente universitaria. calidad e innovación antes el eees. derechos y deberes de profesores y estudiantes	Capítulo de libro	2009
Evaluación nutricional y bioquímica del ácido maslínico, triterpeno natural, sobre el crecimiento de la dorada ( <i>sparus aurata</i> ). caracterización cinética y proteómica	Universidad de granada. bioquímica y biología molecular i	Tesis doctoral	2009
Maslinic acid, a natural triterpene from <i>olea europaea</i> l., induces apoptosis in ht29 human colon-cancer cells via the mitochondrial apoptotic pathway	Cancer letters	Articulo	2009
Regulation of the kinetic behavior of serine dehydratase and tyrosine aminotransferase during the development of rainbow trout ( <i>oncorhynchus mykiss</i> ).	Aquaculture (amsterdam)	Articulo	2009
Caracterización del efecto anticancerígeno del ácido maslínico, triterpeno pentacíclico de origen natural.	Universidad de granada. bioquímica y biología molecular i	Tesis doctoral	2008
Maslinic acid added to the diet increases growth and protein-turnover rates in the white muscle of rainbow trout ( <i>oncorhynchus mykiss</i> )	Comparative biochemistry and physiology. part c, toxicology & pharmacology	Articulo	2008
Serine dehydratase and tyrosine aminotransferase activities increased by long-term starvation and recovery by refeeding	Journal of experimental zoology. part a: ecological genetics and	Articulo	2008

in rainbow trout ( <i>oncorhynchus mykiss</i> )	physiology		
Witch hazel ( <i>hamamelis virginiana</i> ) fractions and the importance of gallate moieties-electron transfer capacities in their antitumoral properties	Journal of agricultural and food chemistry	Articulo	2008
Downregulation in the expression of the serine dehydratase in the rat liver during chronic metabolic acidosis	American journal of physiology-regulatory, integrative and comparative physiology	Articulo	2006
Maslinic acid as a feed additive to stimulate growth and hepatic protein-turnover rates in rainbow trout ( <i>onchorhynchus mykiss</i> )	Comparative biochemistry and physiology. part c, toxicology & pharmacology	Articulo	2006
Serine dehydratase expression decreases in rat livers injured by chronic thioacetamide ingestion	Molecular and cellular biochemistry	Articulo	2005
Comportamiento del recambio proteico y de los enzimas marcadores del crecimiento en truchas arco iris alimentadas con dietas suplementadas con ácido maslínico	Universidad de granada. bioquímica y biología molecular	Tesis doctoral	2004
Estudios bioquímicos e inmunológicos de proteínas biotiniladas en <i>trypanosoma cruzi</i>	Universidad de granada. parasitología	Tesis doctoral	2004
Caracterización molecular de la fenilalanina amonio-lias y polifenol oxidasa de hoja y fruto de olivo de la variedad picual ( <i>olea europaea</i> l. cv picual) y su relación con los niveles de oleuropeina durante la maduración de la aceituna	Proyectos de investigación (2001-2002)	Capítulo de libro	2003
Proyectos de investigación 2001-2002	Proyectos de investigación (2001-2002)	Capítulo de libro	2003
Carbohydrate deprivation reduces nadph-production in fish liver but not in adipose tissue.	The international journal of biochemistry & cell biology	Articulo	2001
Growth, protein-turnover rates and nucleic-acid concentrations in the white muscle of rainbow trout during development.	The international journal of biochemistry & cell biology	Articulo	2001
Dietary alterations in protein, carbohydrates and fat increase liver protein-turnover rate and decrease overall growth rate in the rainbow trout ( <i>oncorhynchus mykiss</i> )	Molecular and cellular biochemistry	Articulo	2000
Molecular and kinetic characterization and cell type location of inducible nitric oxide synthase in fish	American journal of physiology-regulatory, integrative and comparative physiology	Articulo	2000
Carbohydrates affect protein-turnover rates, growth, and nucleic acid content in the white muscle of rainbow trout ( <i>oncorhynchus mykiss</i> )	Aquaculture (amsterdam)	Articulo	1999
Kinetic behavior and protein expression of hepatic nadph-production systems during development of rainbow trout ( <i>oncorhynchus mykiss</i> )	Aquaculture (amsterdam)	Articulo	1999
Liver and white muscle protein turnover rates in the european eel ( <i>anguilla anguilla</i> ): effects of dietary protein quality	Aquaculture (amsterdam)	Articulo	1999
Localization of nitric oxide synthase in plant peroxisomes	Journal of biological chemistry	Articulo	1999
Peroxisomal nadp-dependent isocitrate dehydrogenase. characterization and activity regulation during natural senescence	Plant physiology	Articulo	1999
Peroxisomal nadp-dependent isocitrate dehydrogenase:an alternative source oin lead peroxisomes	Plant physiology	Articulo	1999
Selective changes in the protein-turnover rates and nature of growth induced in trout liver by long-term starvation followed by re-feeding	Molecular and cellular biochemistry	Articulo	1999
Variations in the kinetic behaviour of the nadph-production systems in different tissues of the trout when fed on an amino acid based diet at different frequencies	The international journal of biochemistry & cell biology	Articulo	1999

amino-acid-based diet at different frequencies.

A dehydrogenase-mediated recycling system of nadph in plant peroxisomes	Biochemical journal	Articulo	1998
A dehydrogenase-mediated recycling system of nadph in plant peroxisomes	Biochemical journal	Articulo	1998
Aplicación de la metodología de las superficies de respuesta al análisis de los sistemas bioquímicos	Universidad de granada. bioquímica y biología molecular	Tesis doctoral	1998
Impact of starvation-refeeding on kinetics and protein expression of trout liver nadph-production systems	American journal of physiology-regulatory, integrative and comparative physiology	Articulo	1998
Influence of temperature and dietary-protein supplementation either with free or coated lysine on the fractional protein- turnover rates in the white muscle of carp	Fish physiology and biochemistry	Articulo	1998
Influence of temperature and dietary-protein supplementation either with free or coated lysine on the fractional protein-turnover rates in the wuite muscle of carp	Fish physiology and biochemistry	Articulo	1998
Long-term nutritional effects on the primary liver and kidney metabolism in rainbow trout. adaptive response to starvation and a high-protein, carbohydrate-free diet on glutamate dehydrogenase and alanine aminotransferase kinetics	The international journal of biochemistry & cell biology	Articulo	1998
Relationship between growth and protein turnover rates and nucleic acids in the liver of rainbow trout (oncorhynchus mykiss) during development	Canadian journal of fisheries and aquatic sciences	Articulo	1998
Protein-turnover rates and nadph-production systems during a long-term starvation in trout liver	The faseb journal	Articulo	1997
Long-term nutritional on the primary liver and kidney metabolism in rainbow trout .ii.adaptative response to a high carbohydrate/low protein and a high-fat/non carbohydrate diets of glucose 6-phosphate dehydrogenase activity	Aquaculture nutrition	Articulo	1996
Metabolic support of the flight promptness of birds	Comparative biochemistry and physiology. b, comparative biochemistry	Articulo	1996
Evolution of metabolism: optimization of glycogen structure	Journal of biological systems	Articulo	1995
Kinetic propertiex of hexose-monophosphatedehydrogenases. i. isolation and partial purification of glucose-6-phosphate dehydrogenase from rat liver and kidney cortex	Life sciences	Articulo	1995
Kinetic-properties of hexose-monophosphate dehydrogenases .2. isolation and partial-purification of 6-phosphogluconate dehydrogenase from rat-liver and kidney cortex	Molecular and cellular biochemistry	Articulo	1995
Long-term nutritional effect on the primary liver and kidney metabolism in rainbow trout onchorhynchus mykiis (walbaum):i.adaptative response to a high protein/non-carbohydrate diet and starvation of glucose 6-phosphate dehydrogenase activity	Aquaculture nutrition	Articulo	1995
Dietary-protein effects on growth and fractional protein-synthesis and degradation rates in liver and white muscle of rainbow-trout (oncorhynchus-mykiss)	Aquaculture (amsterdam)	Articulo	1994
Influence of dietary lysine availability on the fractional rates of protein synthesis and degradation in liver and white muscle of rainbow trout (oncorhynchus mykiss)	Aquaculture (amsterdam)	Articulo	1994
Metabolic adaptation of renal carbohydrate metabolism.v.in vivo response of rat renal-tubule gluconeogenesis to	Molecular and cellular biochemistry	Articulo	1994

different diuretics.			
Regulación del metabolismo de los cuerpos cetónicos. situaciones fisiológicas y patológicas que afectan su producción	Ars pharmaceutica	Articulo	1994
The influence of dietary-protein on the kinetics of nadph production systems in various tissues of rainbow-trout (oncorhynchus-mykiss)	Aquaculture (amsterdam)	Articulo	1994
Effect of frequency of feeding of diets with different protein content on the fractional rate of protein synthesis and degradation in liver and muscle of rainbow trout (oncorhynchus mykiss)	Fish nutrition in practice	Capítulo de libro	1993
Effect of frequency of feeding of diets with different protein content on the fractional rate of protein synthesis and degradation in liver and muscle of rainbow trout (oncorhynchus mykiss)	Les colloques de &#039;inra	Articulo	1993
Effects of long-term starvation on the nadph production systems in several different tissues of rainbow trout (oncorhynchus mykiss)	Fish nutrition in practice	Capítulo de libro	1993
Effects of long-term starvation on the nadph production systems in several different tissues of rainbow trout (oncorhynchus mykiss)	Les colloques de &#039;inra	Articulo	1993
Influencias nutricionales y de la edad sobre el comportamiento cinético de las sistemas productores de nadph en diferentes tejidos de la trucha arcoiris (oncorhynchus mykiss).	Universidad de jaén. biologia experimental	Tesis doctoral	1993
Influencias nutricionales y del peso corporal sobre las velocidades reaccionarias de síntesis y degradación proteicas y su relación con las velocidades de crecimiento en el hígado y musculo blanco de la trucha arco iris (oncorhynhus mykiss)	Universidad de granada. bioquímica y biología molecular	Tesis doctoral	1993
Inhibition of glicolysis by amino acids in ascites tumor cells. specificity and mechanism	Journal of biological chemistry	Articulo	1993
Is there thiaminase activity in rhodnius prolixus?	Research and reviews in parasitology	Articulo	1993
Metabolismo hepático y renal de los cuerpos cetónicos. características de las principales enzimas implicadas	Ars pharmaceutica	Articulo	1993
Alterations in the fractional protein-turnover rates in rainbow-trout liver and white muscle caused by an amino-acid-based diet and changes in the feeding frequency	Toxicological & environmental chemistry	Articulo	1992
Adaptación metabólica del ciclo de las pentosas fosfato en corteza renal de rata. ii. efecto de diferentes situaciones patológicas sobre el comportamiento cinético de la glucosa 6-fosfato deshidrogenasa y 6-fosfogluconato deshidrogenasa	Ars pharmaceutica	Articulo	1991
Comparative effects os plasma from acutely acidotic rats on the activity of phosphate-dependent glutaminases from several animal tissues	Chemosphere	Articulo	1991
Interferencias nutricionales sobre el metabolismo glucídico	Ars pharmaceutica	Articulo	1991
Metabolic adaptation of renal carbohydrates metabolism. iv. the use of site-specific liver gluconeogenesis inhibitors to ascertain the role of renal gluconeogenesis	Archives of physiology and biochemistry	Articulo	1991
Phlorethin and citrate promote the differentiation rate from epimastigote to metacyclic forms of trypanosoma cruzi	Acta tropica	Articulo	1991
Variations in the kineticresponse of several different phosphate-dependent glutaminase isoenzymes during acute	Molecular and cellular biochemistry	Articulo	1991



metabolic acidosis			
Adaptación metabólica del ciclo de las pentosas fosfato en corteza renal de rata. i. regulación nutricional de las actividades glucosa 6-fosfato deshidrogenasa y 6-fosfogluconato deshidrogenasa	Ars pharmaceutica	Articulo	1990
Differential energetics metabolism during trypanosoma cruzi differentiation.ii.hexokinase, phosphofruktokinapyruvate kinase	Molecular and cellular biochemistry	Articulo	1990
Influence of acute metabolic acidosis on the monomer and polymer forms of renal phosphate-dependent glutaminase	Life sciences	Articulo	1990
Influence of electrolytes and non-electrolytes on growth and differentiation of trypanosoma cruzi	Cell differentiation and development	Articulo	1990
Influence of some amino acids on multiplication and metacyclogenesis of trypanosoma cruzi	Chemosphere	Articulo	1990
Interrelaciones del metabolismo glucídico con otras rutas del metabolismo celular	Ars pharmaceutica	Articulo	1990
Long-term adaptive response to dietary protein of hexose monophosphate shunt dehydrogenases in rat kidney	Cell biochemistry and function	Articulo	1990
The influence of lipogenic and lipolytic conditions on the pentose phosphate pathway dehydrogenases in rat kidney-cortex	Archives of physiology and biochemistry	Articulo	1990
Ciclo de las pentosas fosfato. ii. regulación metabólica y nutricional a corto y largo plazo	Ars pharmaceutica	Articulo	1989
Influence of experimental diabetes on the kinetic behaviour of renal cortex hexose monophosphate dehydrogenases	The international journal of biochemistry & cell biology	Articulo	1989
Long term control on renal carbohydrate metabolism.ii. effect of starvate-feed cycles on renal tubules glycolysis	Comparative biochemistry and physiology. part c, pharmacology, toxicology & endocrinology	Articulo	1989
Metabolic adaptation of the renal carbohydrate metabolism.ii. effects of a high carbohydrate diet on the gluconeogenic and glycolytic fluxes in the proximal and distal rat-renal tubules	Molecular and cellular biochemistry	Articulo	1989
Renal gluconeogenic response to several different kind of diuretics.ii.glucose production in the early hours adter meethacrynic acid administration	Chemosphere	Articulo	1989
Renal gluconeogenic response to several different of diuretics.i.invitro effects of mersalyl, furosemide and ethacrynic acid administration	Chemosphere	Articulo	1989
Role of adrenergic stimuli in the control of rat renal ammoniogenesis	Biochemical and biophysical research communications	Articulo	1989
Stimulation of rat-kidney hexose monophosphate shunt dehydrogenase activity by chronic metabolic acidosis	Biochemistry international	Articulo	1989
Allosteric inhibition of dictyostelium discoideum fructose 1,6-biphosphatase by fructose 2,6-biphosphate	Febs letters	Articulo	1988
Ciclo de las pentosas fosfato. i. caracterización, propiedades de los enzimas reguladores e integración metabólica	Ars pharmaceutica	Articulo	1988
Differential energetic metabolism during trypanosoma cruzi differentiation.i. citrate synthase, nadp-isocitrate and succinate dehydrogenases	Archives of biochemistry and biophysics	Articulo	1988
Influence of saccharides and sodium chloride on growth and differentiaion of trypanosoma cruzi	Cell differentiation and development	Articulo	1988
Long term control on renal carbohydrate metabolism.i. effect of starvate-feed cycles on renal tubules gluconeogenesis	The international journal of biochemistry & cell biology	Articulo	1988

Metabolic adaptation of the renal carbohydrate			
metabolism.i.effects of starvation on the gluconeogenic and glycolytic fluxes in the proximal and distal renal tubules	Molecular and cellular biochemistry	Articulo	1988
Metabolic behaviour in isolated populations of proximal and distal rat renal tubules	Chemosphere	Articulo	1988
Struvite crystal formation by trypanosoma cruzi in culture	Chemosphere	Articulo	1988
Desarrollo de las capacidades gluconeogénica y glucolítica de corteza renal durante ciclos de ayuno y alimentación	Ars pharmaceutica	Articulo	1987
Differential behaviour of glucose 6-phosphate dehydrogenase in two morphological forms of trypanosoma cruzi	International journal of biochemistry	Articulo	1987
Fructose 1,6 biphosphatase activity in two trypanosoma cruzi morphological forms	Journal of parasitology	Articulo	1987
Influencia de diferentes ciclos alternativos alimentación-ayuno sobre los principales enzimas del metabolismo renal de carbohidratos	Ars pharmaceutica	Articulo	1987
Influencias nutricionales sobre las capacidades gluconeogénica y glucolítica de corteza renal de rata	Universidad de granada. bioquímica y biología molecular i	Tesis doctoral	1986
Renal ammoniogenesis in rats made acutely acidotic by swim-ming.	Hormone and metabolic research	Articulo	1984
Renal dotic by swimming	Hormone and metabolic research	Articulo	1984
Diferential effects of l-tryptophan on hepatic and renal gluconeogenesis in rats	Molecular physiology	Articulo	1983
Role of renal gluconeogenesis in the maintenance of glycaemia after l-tryptophan administration to rats	Hormone and metabolic research	Articulo	1983
A sensitive method for determining quinolincid in animal tissues	Analytical biochemistry	Articulo	1982
Dissociation between renal gluconeogenesis and ammoniogenesis after acute liver intoxication	Toxicology letters	Articulo	1982
Effect of vasoactive agents on fatty acid metabolism: inhibition of lipolysis by tipropidil in rat epididymal adipose tissue	Effect of vasoactive agents on fatty acid metabolism:inhibition of lipolysis by tirpopidil in rat epididymal adipose tis	Articulo	1982
Glutamine metabolism in metabolic acidosis	Metabolic acidosis	Articulo	1982
Inhibición selectiva de la gluconeogénesis hepática por administación de triptófano	Revista española de fisiología	Articulo	1982
Inhibición selectiva de la gluconeogénesis hepática por administración de triptófano	Revista española de fisiología	Articulo	1982
Inhibición selectiva de la gluconeogénesis hepática por ad-minis-tración de triptófano.	Revista española de fisiología	Articulo	1982
Determinación de ácido quinolínico en corteza renal de rata	Ars pharmaceutica	Articulo	1981
Metabolism of ammonia	Nitrogen metabolism in man	Articulo	1981
Modulation og glycogenolysis by galactosamine and inorganic phosphate in isolated hepatocytes and perfused liver	Regulation of carbohydrate	Articulo	1981
Stimulation of rat renal phosphoenolpyruvate caactivity after an intravenous lactic acid load	Febs letters	Articulo	1981
The mechanism of the increase in renal ammoniogenesis in the rat with acute metabolic acidosis	Febs letters	Articulo	1981
Efecto diferencial del l-triptófano sobre la gluconeogénesis hepática y renal	Universidad de granada. bioquímica y biología molecular	Tesis doctoral	1980
Involvement of adrenergic stimuli and calcium in semetostatín induced gluconeogenesis in renal cortex	Life sciences	Articulo	1980

somatostatin-induced gluconeogenesis in renal cortex

Evolución de la actividad de la fosfoenolpiruvato carboxiquinasa en hígado y riñón de rata a lo largo del día	Ars pharmaceutica	Articulo	1979
Interrelationship of somatostatin, insulin and calcium in the control of gluconeogenesis in kidney cortex slices	Biochemical and biophysical research communications	Articulo	1979
Stimulation of gluconeogenesis by somatostatin in rat kidney cortex slices	Biochemical and biophysical research communications	Articulo	1979
Induction of rat kidney gluconeogenesis during acute liver intoxication by carbon tetrachloride	Biochemical journal	Articulo	1978
Stimulation of rat kidney gluconeogenic ability by inhibition of liver gluconeogenesis	Febs letters	Articulo	1976
Succinic acid production by yeast grown under different hypoxic conditions	Molecular and cellular biochemistry	Articulo	1974

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Capacidad antiangiogénica del hiproxitirosol, polifenol natural, en melanoma	Proyecto	11/28/14	12/31/14
2	Capacidad antiangiogénica del hidroxitirosol, polifenol natural, en melanoma	Proyecto	11/28/14	12/31/14
3	Utilización del ácido maslínico y su derivado feniletilamina procedente de la aceituna en el tratamiento y prevención del síndrome metabólico	Proyecto	11/7/12	12/31/14
4	Estudio genómico y proteómico del ácido maslínico sobre el citoesqueleto en cáncer de colon	Proyecto	11/1/13	12/31/13
5	Programa becas predoctorales suscrito convenio empresa y universidad: influencias nutritivas y moleculares del ácido maslínico sobre el crecimiento y desarrollo de la dorada ( <i>sparus aurata</i> )	Convenio	11/1/05	6/30/09
6	Caracterización molecular de los efectos del ácido maslínico, inhibidor de serín proteasas, sobre el comportamiento de la apoptosis celular en diferentes líneas de células tumorales	Proyecto	11/1/04	9/30/06
7	Estimulación del crecimiento de la trucha por adición al pienso de un inhibidor natural de la degradación proteica obtenido del orujo de la aceituna.	Proyecto	11/28/00	12/28/03
8	Estimulación del crecimiento de la trucha por adición al pienso de un inhibidor natural de la degradación proteica obtenido del orujo de la aceituna	Proyecto	11/28/00	12/27/03
9	Paleometabolismo. relación entre el diseño del metabolismo y las extinciones masivas de grupos biológicos ¿	Proyecto	11/1/96	12/31/99
10	Caracterización in vivo e in vitro de los efectos proliferativos y anabólicos inducidos por el ácido maslínico sobre el crecimiento celular	Contrato	9/5/09	
11	Caracterización de los efectos anti-inflamatorios y anti-tumorogénicos inducidos por la adición de ácido maslínico	Proyecto	10/28/09	

## Actividades 0

<b>Título actividad</b>	<b>Entidad</b>	<b>Tipo</b>	<b>Fecha</b>
-------------------------	----------------	-------------	--------------

## Colaboradores 38

- JOSE ANTONIO LUPIAÑEZ CARA (109)
- ENCARNACION LETICIA GARCIA SALGUERO (81)
- FERNANDO JESUS REYES ZURITA (78)
- EVA ENCARNACION RUFINO PALOMARES (76)
- AMALIA PÉREZ JIMÉNEZ (47)
- PEDRO PABLO MEDINA VICO (41)
- ANDRES PARRA SANCHEZ (24)
- CRISTINA ELENA TRENZADO ROMERO (24)
- KHALIDA MOKHTARI (24)
- MARTA MEDINA ODONNELL (24)
- ROSA MARÍA FERRER MARTÍN (20)
- SAMUEL MARTÍN FONSECA (19)
- ANDRES GARCIA-GRANADOS LOPEZ DE HIERRO (17)
- FRANCISCO DE ASIS RIVAS SANCHEZ (15)
- ANTONIO RAMÓN MARTINEZ RODRIGUEZ (12)
- ANTONIO OSUNA CARRILLO DE ALBORNOZ (10)
- M. Rosario Sepúlveda (8)
- ALBERTO MANUEL VARGAS MORALES (7)
- ANTONIO SÁNCHEZ POZO (7)
- FERNANDO ALBERICIO PALOMERA (7)
- GABRIEL CARDENETE HERNANDEZ (7)

- F. JAVIER ADROHER AUROUX (6)
- Isabel Fernández Coira (6)
- MARTA EUGENIA CUADROS CELORRIO (6)
- Paola Peinado Fernández (6)
- LAURA GARCIA REJÓN (4)
- MARIA CARMEN HIDALGO JIMENEZ (4)
- ANTONIO RODRÍGUEZ DIÉGUEZ (3)
- Carlos Baliñas Gavira (3)
- JOEL MARTÍN PADRÓN (3)
- MARIA ESTHER FAREZ VIDAL (3)
- MARÍA ISABEL RODRÍGUEZ LARA (3)
- ANGEL GIL HERNANDEZ (2)
- FRANCISCO GALISTEO GONZÁLEZ (2)
- INMACULADA LOPEZ FLORES (2)
- JUAN DE DIOS LUNA DEL CASTILLO (1)
- MANUEL GARCIA GALLEGO (1)
- MARÍA JOSÉ FAUS DADER (1)