

## Structure-Activity Studies - New Peptides

### Topic C13: Bioactive Peptides

- P339** Serum-stable neurotensin analogs as potential imaging and therapeutic agents for pancreatic cancer  
Srinivasan Ananth\*, Schmidt Michelle A, Erion Jack L, Bugaj Joseph E, Wilhelm R Randy, Webb Elizabeth G, Chinen Lori K, Reubi Jean-Claude.
- P340** Synthesis and in vitro evaluation for anti-HIV effect and toxicity of a new peptides analogues of 3'-azido-2',3'-dideoxythymidine  
Stankova Ivanka\*, Beskov Danail, Polyanova Maria, Golovinsky Evgeny.
- P341** Structure-antibacterial activity relationships of 15-residue murine lactoferricin derivatives  
Strom Morten B\*, Rekdal Oystein, Svendsen John S.
- P342** Synthesis and biological activity of double cyclic RGD containing peptides  
Süli-Vargha Helga\*, Nadasi Hajnalka, Mihala Nikolett, Morandini Renato, Ghanem Ghanem.
- P343** Immunosuppressory activity of ubiquitin fragments containing retro-RGD sequences  
Szewczuk Zbigniew\*, Wilczynski Andrzej, Siemion Ignacy Z, Wieczorek Zbigniew.
- P344** Development of bifunctional opioid ligands containing dimethyltyrosine  
Takahashi Motohiro\*, Fukumizu Atsuko, Shimizu Yoshiro, Tsuda Yuko, Yokoi Toshio, Bryant Sharon D, Lazarus L H, Anbo Akihiro, Sasaki Yusuke, Kita Atsuko, Oka Makoto, Okada Yoshio.
- P345** Bioactive peptides from tryptic hydrolysate of bovin  $\alpha$ S2-casein  
Tauzin Jérôme\*, Miclo Laurent, Roth Stéphane, Spiesser Estelle, Mollé Daniel, Gaillard Jean-Luc.
- P346** Mapping of the integrin GPIIb-IIIa regions participating in platelets aggregation  
Tenente Eftichia, Biris Nikos\*, Tamvaki Afroditi, Sakarellos-Daitsiotis Maria, Tsoukatos Demokritos, Tselepis Alexandros, Elisaf Moses, Soteriadou Kety, Sideris Dimitrios, Sakarellos Constantinos, Tsikaris Vassiliolis.
- P347** New endomorphin analogues : design, synthesis and biological properties  
Toth Geza\*, Tomboly Csaba, Péter Antal, Biyashev Daureen, Bordosi Anna, Ronai Andras, Przewlocki Ryszard.
- P348** Design and synthesis of potent linear and cyclic analogues of the myelin basic protein epitope MBP 87-99  
Tselios Theodore, Daliani Joanna, Probert Lesley, Deraos Spyros, Matsoukas Elizabeth, Roumelioti Panagiota, Alexopoulos Kostas, Matsoukas John\*.
- P349** Searching for linear antibody epitopes of HSP 60/65 heat shock proteins specific for HIV infection  
Uray Katalin\*, Prohaszkaa Zoltan, Banhegyib Denes, Fűsta György, Hudecz Ferenc.
- P350** Cyanobacterium anabaena 90 : bioactive peptides and genes responsible for their production  
Vakkilainen Tanja\*, Rouhiainen Leo, Siemer Berit Lumbye, Sivonen Kaarina.
- P351** New ACTH<sub>4-10</sub> peptide analogue "SEMAKS" stimulates regeneration of mouse motor nerve in vivo  
Vardia Irina V\*, Balezina Olga P, Guljaev D V.
- P352** In vitro and in vivo potency of a novel phosphinic peptide inhibitor of matrix metalloproteinases  
Vassiliou Stamatia, Rio Marie-Christine, Beau Fabrice, Yiotakis Athanasios\*, Dive Vincent.
- P353** Neurotensin : synthesis and pharmacological properties of new cyclopeptidic analogues  
Vivet Bertrand\*, Cavalier Florine, Verducci Jean, Dubuc Isabelle, Costentin Jean, Martinez Jean.

## Structure-Activity Studies - New Peptides

### Topic C13: Bioactive Peptides

- P354** Antibiotic activities of Temporin A analogs  
Wade David\*, Kuusela Pentti, Soliymani Rabah, Silberring Jerzy, Lankinen Hilikka.
- P355** Interaction of the vasoactive intestinal peptide Asp<sup>3</sup> with the human VPAC<sub>1</sub> receptor Arg<sup>188</sup>  
Waelbroeck Magali\*, Gregoire Françoise, Haro Rosa Solano, Vertongen Pascale, Perret Jason, De Neef Philippe, Cnudde Johny, Robberecht Patrick.
- P356** Study on structure activity relationship of a novel spider toxin NPTX-594 from *Nephila Madagascariensis*  
Wakamiya Tateaki\*, Yamamoto Akinori, Kawaguchi Keita, Masuda Mitsunari, Yamaguchi Yoshihiro, Itagaki Yasuhiro, Naoki Hideo, Corzo Gerardo, Nakajima Terumi.
- P357** Synthesis, structure-activity relationship of nociceptin and its fragments  
Wang Rui\*, Dong Shouliang, Chen Qiang, Wang Tao, Chen Yong, Wang Xiaoli.
- P358** Long acting, selective, peripheral kappa agonists  
Wisniewski Kazimierz\*, Sueiras-Diaz Javier, Schteingart Claudio, Galyean Robert, Houghten Richard, Vanderah Todd, Porreca Frank, Riviere Pierre, Junien Jean-Louis, Trojnar Jerzy.
- P359** Trypsin hydrolysis of GH-RH analogues  
Witkowska Ewa, Orlowska Alicja, Sagan Brunon, Smoluch Marek, Izdebski Jan\*.
- P360** Design, synthesis, conformation, DNA-binding characteristics and antitumor and toxicity activity of Actinomycin D analogs  
Yang Xiaowu, Ni Jingman, Jia Zhengping, Shen Jianheng, Wang Rui\*.
- P361** N-caproyl-L-prolyl-L-tyrosine methyl ester - potential antipsychotic agent discovered through the peptide drug design  
Zaitseva Natalia\*, Gudasheva Tatiana, Ostrovskaya Rita, Guzevatikh Ludmila, Voronina Tatiana.
- P362** Growth hormone-releasing hormone antagonists containing lactam bridge constraints  
Zarandi Marta\*, Schally Andrew V, Kovacs Magdolna, Toth Katalin, Varga Jozsef, Kele Zoltan.
- P363** Characterization of an integrin  $\alpha_v\beta_3$  binding sequence of PEX, a domain of matrix metalloproteinase MMP-2  
Zischinsky Gunther\*, Groth Ulrich, Diefenbach Beate, Jonczyk Alfred.
- OC01** Structural inducing probes (SIP) - blows new hope into the general use of peptides as drugs  
Larsen Bjarne D\*, Jensen Lene H, Mork Niels E, Bjerrum Morten J, Meissner Axel, Nielsen Gerd, Frokjaer Sven.
- OC03** Hydroxamic acid analogs of naturally-occurring cyclic tetrapeptides, trapoxin, WF-3161, Cyl-1, HC-toxin and chlamydocin inhibit histone deacetylases  
Nishino Norikazu\*, Tomizaki Kin-Ya, Tsukamoto Makiko, Yoshikawa Daisuke, Shinta Ryuzo, Nishino Hidekazu, Tanaka Yuji, Kato Tamaki, Komatsu Yasuhiko, Nishiyama Makoto, Furumai Ryohei, Yoshida Minoru.
- OC04** Optimization of vasoactive intestinal peptide towards better tumor imaging properties  
Bhargava Sarah\*, Knaute Tobias, Becker Andreas, Licha Kai, Schneider-Mergener Jens, Volkmer-Engert Rudolf.
- OC10** Chemical synthesis of maxadilan and its related peptides as agonists and antagonists of PACAP type 1 receptors  
Nokihara Kiyoshi\*, Yasuhara Tadashi, Nakata Yoshihiro, Wray Victor, Lerner Ethan.

## Structure-Activity Studies - New Peptides

### Topic C13: Bioactive Peptides

- OC11** Peptide mimotopes of the nicotinic receptor binding site  
Bracci Luisa\*, Lozzi Luisa, Lelli Barbara, Pini Alessandro, Neri Paolo.
- OC12** Application of neuropeptides in insect control  
Altstein Miriam\*, Ben-Aziz Orna, Scheffler Irit, Zeltser Irina, Gilon Chaim.
- OC34** Are  $\beta$ -amino acids  $\gamma$ -turn mimetics ?  
Sewald Norbert\*, Müller Annett, Schumann Frank, Kolsch Mario.
- OC47** In vivo active antimicrobial peptides and their bacterial protein targets  
Otvos Laszlo\*, Bulet Philippe, Craik David, McManus Ailsa, Rogers Mark, Bokonyi Krisztina, Condie Barry A, O Insug, Cudic Mare, Blaszczyk-Thurin Magdalena.
- OC48** Development of lead structures for bradykinin agonists and antagonists  
Reissmann Siegmund\*, Paegelow Inge, Stewart John M.
- OC49** Identification of aminoacid residues involved in the interaction between VIP and its human receptor VPAC1 using photoactivable VIP analogs  
Van Rampelbergh J\*, Couvineau A, Maoret J J, Laburthe M.
- OC55** The antimicrobial peptides derived from chromogranins and proenkephalin-A  
Metz-Boutigue Marie-Hélène\*, Goumon Yannick, Lugardon Karine, Strub Jean-Marc, Aunis Dominique.
- OC56** New peptides from actinomycetes for plant protection  
Boikova Anna\*, Boikova Irina, Shenin Yuriy, Novicova Irina.
- OC57** Identification of biologically active peptides in Laminin alpha chains  
Nomizu Motoyoshi\*, Makino Masayoshi, Okazaki Ikuko, Kato Kozue, Kuratomi Yuichiro, Kleinman Hynda K, Yamada Yoshihiko, Nishi Norio.
- OC85** Structure-function studies on human ghrelin, a new growth-hormone releasing peptide  
Bednarek Maria A\*, Feighner Scott D, McKee Karen Kulju, Van Der Ploeg Lex, Howard Andrew D.

## Structure-Activity Studies - New Peptides

### Topic C14: Peptidomimetics

- P364** An amino acid protecting group that can be colored on demand  
Abell Andrew D\*, May Barnaby C H, Nabbs Brent K.
- P365** Solid-phase synthesis and structural studies of functionalized  $\beta$ - and  $\gamma$ -peptides  
Albericio Fernando, Giralt Ernest, Pons Miquel, Royo Miriam\*.
- P366** The discovery of a non-peptide thrombin receptor antagonist in human and also rabbit platelets : a novel drug lead  
Alexopoulos Kostas\*, Fatseas Panagiotis, Zoga Anastasia, Giatas Nektarios, Tselios Theodoros, Roulmelioti Panagiota, Melissari Efi, Vlahakos Demetrios, Demopoulos C, Matsoukas John\*.
- P367** Hydrogen bond : a new tool in peptoid design  
Beausoleil Eric\*, Truong Kiet T V, Kirshenbaum Kent.
- P368** Screening of peptidomimetic libraries for antitumor activity  
Bokonyi Gyorgyi\*, Horvath Aniko, Orfi Laszlo, Szabo Edit Z, Houghten Richard A, Ostresh John M, Idei Miklos, Hoolosy Ferenc, Szende Béla, Teplan Istvan, Kéri Gyorgy.
- P369** Hydrazinoazapeptoides, a new class of pseudopeptides as potential inhibitors of proteasome  
Bouget Karine\*, Le Grel Philippe, Arlot-Bonnemains Yannick, Baudy-Floc'h Michèle.
- P370** Synthesis, spectroscopic and biological studies of neuropeptide Y analogs containing 2-amino-3-methoxycarbonyl-1-cyclopropane carboxylic acid  
Cabrele C\*, Beumer R, Langer M, Reiser O, Beck-Sickinger A G.
- P371** Use of 3,5-disubstituted 1,2,4-triazoles for the synthesis of RGD mimetics  
Cesar Jozko\*, Sollner Marija.
- P372** Synthesis of hydrazinopeptoides, a new class of pseudopeptides, perspectives and biological evaluation  
Cheguillaume Arnaud, Fournel Sylvie, Muller Sylviane\*, Baudy-Floc'h Michèle, Le Grel Philippe.
- P373** Solid-phase polyproline dendrimer synthesis  
Crespo Laia\*, Sanclimens Gloria, Royo Miriam, Pons Miquel, Albericio Fernando, Giralt Ernest.
- P374** 1,2,3-triazole derived peptidomimetics  
Dabak Kadir, Akar Ahmet\*.
- P375** Solid-phase synthesis of aspartic protease mimics  
Daïri Kenza\*, Keillor Jeffrey W, Lubell William D.
- P376** Design and synthesis of analogues of antistatin with potential anticoagulase activity  
Danalev Dantcho L\*, Vezenkov Ljubomir T, Pencheva Nevena.
- P377** Cyclic and crown ether analogues of RGD peptides  
Davies John S\*, Al-Jamri Loai, Naumer Christian, Nguyen Corrine, Williams Richard.
- P378** Physicochemical and immunochemical study of methylenamino peptide bond pseudopeptides mimicking a neutralizing decapeptide epitope on foot-and-mouth disease virus  
Delforge Dominique\*, Hoebeke Johan, Limal David, Guichard Gilles, Briand Jean-Paul, Muller Sylviane.
- P379** Design, synthesis and study of new peptidic and peptidomimetic inhibitors of the human cyclophilin hCyp-18  
Demange Luc, Li Quan, Cluzeau Jérôme, Moutiez Mireille, Charbonnier Jean-Baptiste, Vaudry Karine, Ménez André, Quéméneur Eric, Dugave Christophe\*.

## Structure-Activity Studies - New Peptides

### Topic C14: Peptidomimetics

- P380** Synthesis of conformationally restricted tryptophan surrogates  
Ecija Marta\*, Rubiralta Mario, Casamitjana Nuria, Diez Anna.
- P381** Synthesis of the TyrΨ[CH<sub>2</sub>-CH<sub>2</sub>]Gly carbapeptide analog of a MHC class II antigenic peptide  
Ettouati L\*, Charrier C, Biémont M-C, Gerlier D, Rabourdin-Combes Ch, Paris J.
- P382** Synthesis of 3-amino-1,2,3,4-tetrahydropyridin-2-ones as peptidomimetics  
Forns Pilar\*, Rubiralta Mario, Diez Anna.
- P383** Synthesis of phthaloylated phosphonate and phosphoramidate pseudopeptides as potential inhibitors of the D-glutamic acid-adding enzyme  
Gobec Stanislav\*, Urleb Uro, Auger Geneviève, Blanot Didier.
- P384** Stabilization of type VIa β-turn in tetrapeptides  
Halab Liliane\*, Lubell William D.
- P385** Synthesis of chiral 2,3-dihydro- and 2,3,4,5-tetrahydro-1H-1,4-benzodiazepine scaffolds for peptidomimetic building  
Herrero Susana, Garcia-Lopez M. Teresa, Gonzalez-Muniz Rosario, Herranz Rosario\*.
- P386** Stepwise peptid-peptoid-transformations via spot-synthesis  
Hoffmann Berit\*, Ast Thomas, Reineke Ulrich, Schneider-Mergener Jens, Volkmer-Engert Rudolf.
- P387** Synthesis and biological evaluation of novel RGD-peptidomimetics as potential fibrinogen receptor antagonists  
Kabanov Vladimir M, Andronati Sergei A, Krysko Andrei A, Karaseva Tamara L, Kabanova Tatyana A, Pavlovsky Viktor I.
- P388** Cyclolinopeptide a analogue containing (2S,4R)-4-aminopyroglutamic acid (4tAPy) residue as a cis-peptide bond motif  
Kaczmarek Krzysztof\*, Zabrocki Janusz, Sillbering Jerzy, Smoluch Marek, Kowalski Marek L, Szkudlinska Barbara, Grochulska Ewa.
- P389** Opioid related peptide alcohols : structure-activity studies  
Kocsis Laszlo, Benyhe Sandor, Borsodi Anna, Ronai Andras Z, Magyar Anna, Orosz Gyorgy\*.
- P390** Mimetics of the dipeptide moiety with a nonplanar cis-amide bond  
Krajewski Krzysztof\*, Ciunik Zbigniew, Siemion Ignacy Z.
- P391** Stereoselective synthesis of dipeptidomimetics from chiral allylic aziridines using microwave irradiation  
Larsson Erika\*, Berts Wei, Luthman Kristina.
- P392** Amide bond cleavages under unusual mild conditions in N-pivaloyl-Tic compounds : a mechanistic study  
Mannekens Els, Tourwé Dirk, Crisma Marco.
- P393** β-turned conformationally restricted dipeptoids as potent and selective CCK1 receptor antagonists  
Martin-Martinez M, De la Figuera N, Herranz R, Garcia-Lopez M T, Latorre M, Cenarruzabeitia E, Del Rio J, Gonzalez-Muniz R\*.
- P394** Stereoselective synthesis of H-PheΨ[CH<sub>2</sub>O]Phe-OH and two HIV-1 protease inhibitors  
Marik Jan\*, Hlavacek Jan.

## Structure-Activity Studies - New Peptides

### Topic C14: Peptidomimetics

- P395** Synthesis of dipeptides containing new 2-substituted statines as potential protease inhibitors  
Mathieu R, Audin P, Paris J\*.
- P396** Design and synthesis of a new  $\gamma$ -amino acid as a novel turn-mimic  
Nam Hye Young, Park Jin Sung, Kim B Moon\*.
- P397** Peptidyl privileged structures as potent somatostatin receptor agonists  
Pasternak Alexander\*, Pan Yanoing, Guo Liangquin, Mosley Ralph, Rohrer Susan P, Birzin Elizabeth T, Huskey Su-Er Wu, Jacks Tom, Schleim Klaus D, Schaeffer James, Patchett Arthur A, Yang Lihu.
- P398** Synthesis of  $\beta$ -keto esters derived from dipeptides. Search for a low-racemizing method  
Patino-Molina R\*, Martin-Martinez M, Herranz R, Garcia-Lopez M T, Gonzalez-Muniz R.
- P399** Peptide transporter for drug delivery into living cells  
Pipkorn Rüdiger, Braun Klaus.
- P400** Combinatorial biomimetic chemistry. Parallel synthesis of small libraries of  $\beta$ -hairpin mimetics  
Robinson John A\*, Jiang Lujong, Moehle Kerstin, Dhanapal Boopathy, Obrecht Daniel.
- P401** 4-amino-N-methyl-proline isomers as the mimetics of dipeptide moiety with cis-amide bond  
Ruchala Piotr\*, Picur Boleslaw, Wieczorek Zbigniew, Siemion Ignacy Z.
- P402** Pyridine as a tripeptidomimetic scaffold  
Saitton Stina\*, Vollinga Roeland C, Luthman Kristina.
- P403** Synthesis, analysis and biological studies of highly hydrophobic peptidomimetics against cancer multi drug resistance  
Seprödi Janos\*, Hollosy Ferenc, Idei Miklos, Keri György, Teplan Istvan, Füzesi Maria, Hegedüs Tamas, Sarkadi Balazs.
- P404** New Proctolin analogues : synthesis and biological evaluation in insects  
Szeszel-Fedorowicz Wioletta, Rosinski Grzegorg, Issberner Jonathan, Osborne Richard, Konopińska Danuta\*.
- P405** The discovery of non peptide somatostatin agonists from focused libraries based on elobaration of 2-aminomethyl imidazoles  
Thurieu Christophe\*, Contour-Galcéra Marie-Odile, Poitout Lydie, Moinet Christophe, Morgan Barry\*, Gordon Tom, Roubert Pierre.
- P406**  $\alpha$ -ketoamide synthesis and reactivity for a new pseudopeptide family  
Vanderesse Régis\*, Lourak Moushine, Vicherat André, Marraud Michel, Didierjean Claude, Aubry André.
- P407** Selectivity of azapeptides as cystein proteases inhibitors  
Wieczerek Ewa\*, Kozłowska Joanna, Lankiewicz Leszek, Grzonka Zbigniew.
- P408** Targeting cis/trans conformational changes in proteins using pseudoproline-containing protein mimetics  
Wittelsberger Angela\*, Scarpellino Leo, Patiny Luc, Acha-Orbea Hans, Mutter Manfred.
- P409** Cyclolinopeptide a analogue containing N-benzylglycine as a peptoid element  
Zabrocki Janusz\*, Zubrzak Pawel, Olejniczak Bogdan, Paneth Piotr, Smoluch Marek, Silberring Jerzy, Kowalski Marek L, Szkudlinska Barbara, Grochulska Ewa.

## Structure-Activity Studies - New Peptides

### Topic C14: Peptidomimetics

- P410** [azPro<sup>3</sup>]-TRH: impact of azaproline on cis-trans isomerism  
Zhang Wei-Jun\*, Berglund Anders, Gershengorn Marvin C, Marshall Garland R.
- OC70** Polyol peptidomimetics  
Geyer A\*, Tremmel P.
- OC71** New reactions and structures for peptidomimetic drug design  
Goodman M\*, Baker T J, Rew Y, Creighton C J.
- OC74** Structural stabilization and minimization of the potassium-channel blocker, ShK toxin  
Pennington M W\*, Lefievre Y, Norton R S, Lanigan M D, Rauer H, Chandy K G.
- OC84** Inhibitors of metalloendopeptidase EC 3.4.24.15 stabilised against proteolysis by the incorporation of  $\beta$ -amino acids  
Steer D L, Lew R A, Gerreyn S, Harte M, Bond S, Perlmutter P, Smith A I, Aguilar M I\*.

## Structure-Activity Studies - New Peptides

### Topic C15: Immunochemistry - Immunopharmacology

- P411** Determination of T and B cell epitopes of a major allergen of *Aspergillus Fumigatus* Fungus Asp F2 implicated in allergic bronchopulmonary aspergillosis (ABPA)  
Aleksееva Ludmila\*, Svirshchevskaya Elena, Kurup Viswanath, Andronova Tatyana.
- P412** Synthetic long peptide used in the elaboration of a vaccine against malaria  
Brossard Vincent\*, Meraldi Valentin, Corradin Giampietro.
- P413** Comparative study of peptide antigens and polymer surface interactions. The influence on sensitivity and specificity in serodiagnosis of HCV and HIV  
Burov Sergey\*, Leko Maria, Glinskaya Oxana, Shkarubskaya Zoya, Kharina Maria, Dorosh Marina, Lisok Tamara, Mobarhan Asadi.
- P414** Membrane affinity and cellular uptake of a chimeric peptide inducing cytotoxic T lymphocyte response in saline  
Delmotte C, Feofanov A, Steward M w, Vigny P, Delmas A\*.
- P415** Designing peptide probes for intravital microscopy of tumor cell adhesion molecules  
Dufau Isabelle\*, M'Rini Christine, Girard Jean-Philippe, Gairin Jean-Edouard.
- P416** The employment of random phage-displayed peptide libraries for the identification of antigens associated with autoimmune diseases  
Heliopoulos Yannis, Rostami Mohamed, Kay Brian, Magira Eleni, Papazacharias Spyridon, Cordopatis Paul\*, Gilden Donald, Monos Dimitri.
- P417** Haptenisation of ovalbumin T-cell epitope with the skin sensitizer methyl octanesulfonate  
Henriot Stéphanie\*, Lepoittevin Jean-Pierre, Trifilieff Elisabeth.
- P418** Synthesis of a difluoromethyl-phosphoserine (F<sub>2</sub>Pab)-containing peptides for generating specific antibodies to phosphorylation sites  
Higashimoto Yuichiro\*, Saito Shin'ichi, Tong Xiao-He, Hong Anita, Sakaguchi Kazuyasu, Anderson Carl W, Appella Ettore.
- P419** Carrier effect on biodistribution of covalently attached antibody epitope peptide from mucin 1  
Hudecz Ferenc\*, Price Michael R, Pimm Malcolm V.
- P420** Investigation of the antigenic structure of *treponema pallidum*'s membrane protein Tpp17  
Kampe-Nemm Sergey, Gache Marina, Shpen Vladimir, Artukhov Anatoly, Kolobov Alexander\*.
- P421** Multiple anchoring of myelopeptides on sequential oligopeptide carriers (SOCn) : synthesis, conformation and studies in human leukemia cells  
Keramisanou Dimitra, Tsikaris Vassilios, Sakarellos-Daitsiotis Maria, Sakarellos Constantinos\*, Mikhailova Augusta A, Strelkov Leonid A.
- P422** Peptide scanning in antigenic and functional mapping of monooxygenase system proteins  
Kolesanova Ekaterina F\*, Moshkovskii Serguey A, Toropyguine Ilia Yu, Archakov Alexander I.
- P423** Further investigation of immunomodulatory properties of gamma-glutamyl containing peptides  
Kolobov Alexander\*, Simbirtsev Andrey, Pigareva Natalia, Kolodkin Nikolay, Rudolph Alfred, Tuthill Cynthia.
- P424** Adjuvant-conjugated-sequential oligopeptide carriers (SOCn) for vaccine applications  
Krikorian Dimitrios, Tsagozis Panagiotis, Dotsica Eleni, Routsias Ioannis, Touloupi Eugenia, Tsikaris Vassilios, Sakarellos Constantinos\*, Tzioufas Athanassios, Moutsopoulos Haralampos M, Sakarellos-Daitsiotis Maria.
- P425** Peptide constructs including immunoreactive fragments of the foot-and-mouth disease virus VP1 protein  
Kuprianova M A\*, Zhmak M N, Koroev D O, Chepurkin A V, Volpina O M, Ivanov V T.



**Structure-Activity Studies - New Peptides**  
**Topic C15: Immunochemistry - Immunopharmacology**

- P426** Selection from several constrained and unconstrained phage libraries of peptides mimicking of a discontinuous epitope recognized by an anti-thyroglobulin antibody: passage from phage to peptide  
Laune D\*, Molina F, Pugnières M, Mani J C, Pau B, Granier C, Fehrentz J A, Monaci P, Prezzi C.
- P427** Development of specific antibodies and a direct ELISA assay for determining thymosin BETA-15 in extracts of breast cancer tissues  
Leondiadis L, Koutrafouris V, Vassiliadou I, Apostolikas N, Zicos C, Livaniou E, Ithakissios D S, Evangelatos G P.
- P428** A super-agonist of the T cell response generated by introducing a new peptidomimetic motif in a CD8 T cell epitope  
Limal David, Stemmer Christine, Hoebeke Johan, Guichard Gilles, Casimir Richard, Didierjean Claude, Aubry André, Muller Sylviane, Pircher Hanspeter, Briand Jean-Paul\*.
- P429** Delayed and long-term presentation of MHC class I-restricted lipopeptides  
Loing Estelle\*, Andrieu Muriel, Thiam Kader, Guillet Jean-Gérard, Hosmalin Anne, Gras-Masse Hélène.
- P430** Antipeptide antibodies for the L6 and L13 ribosomal proteins of Escherichia coli  
Metaxas Aristomenis, Tzartos Socrates, Liakopoulou-Kyriakides Maria\*.
- P431** Antigenic mapping of cytochrome P450CAM by peptide scanning  
Moshkovskii Serguey A\*, Kolesanova Ekaterina F, Archakov Alexander I.
- P432** Complementary peptides to B and T-cell epitopes of the La/SSB autoantigen for immunoregulation in Sjogren's syndrome (pSS)  
Mouliia Avriilia, Dotsika Eleni, Tsagozis Panagiotis, Routsias Ioannis, Touloupi Eugenia, Tsikaris Vassilios, Sakarellos Constantinos\*, Tzioufas Athanassios G, Moutsopoulos Haralampos M, Sakarellos-Daitsiotis Maria.
- P433** Role of the glycosyl moiety in auto-antibody recognition in multiple sclerosis  
Nardi Elena\*, Mastrangelo Eloise, Mata Sabrina, Mazzanti Benedetta, Zipoli Valentina, Chelli Mario, Ginanneschi Mauro, Massacesi Luca, Vergelli Marco, Lolli Francesco, Papini Anna Maria.
- P434** Mixotope or combinatorial peptide library approaches to elicit immune response against foot-and-mouth disease virus  
de Oliveira Eliandre\*, Jimenez-Clavero Miguel Angel, Sobrino Francisco, Giralt Ernest, Andreu David.
- P435** Identification of naturally occurring self peptides which participate to antiviral memory immunity  
Riond J\*, Burlet-Schiltz O, Hudrisier D, von Herrath M, Oldstone M B A, Monsarrat B, Gairin J E.
- P436** New pepscan methods to detect discontinuous epitopes of foot and mouth disease virus  
Slootstra J W\*, Schaaper W M M, Puijk W C, Meloen R H.
- P437** Peptide-based analysis of fine specificity of B cell immune response to allergen Asp F2 mediated by T helper 1 and T helper 2  
Svirshchevskaya Elena, Alekseeva Ludmila, Andronova Tatyana\*, Kurup Viswanath.
- P438** Affinity of the HIV-neutralizing monoclonal antibody 2F5 for conformationally constrained gp41 ELDKWA peptides  
Taylor John W\*, Tsai Tom, Ma Xuejun, Velasco Paola, Arnold Gail Ferstandig.
- P439** Synthetic peptides as functional mimics of a discontinuous viral antigenic site  
Villen Judit\*, Borrás Eva, Meloen Rob H, Schaaper Wim M, Domingo Esteban, Giralt Ernest, Andreu David.

**Structure-Activity Studies - New Peptides**  
**Topic C15: Immunochemistry - Immunopharmacology**

- P440** Mapping and characterization of peptide epitopes recognized by seven murine inhibitor antibodies to factor VIII  
Villard S\*, Grailly S, Benhida A, Saint-Rémy J M, Granier C.
- P441** Synthetic fragments of Neisseria Meningitidis proteins Por A and Opa B induce protection against experimental infection  
Volpina Olga\*, Kuprianova Maya, Koroev Dmitry, Zmak Maxim, Kotelnikova Olga, Archipova Valentina, Alliluev Alexander, Nesmeyanov Vladimir, Ivanov Vadim.
- P442** The role of flanking sequences in antibody recognition of PTGTQ epitope of mucin-2  
Windberg Eموke\*, Jelic Dubravko, Skribanek Zsolt, Uray Katalin, Price Michael L, Sebestyen Ferenc, Hudecz Ferenc.
- P443** Totally synthetic lipid containing polyoxime peptide constructs are potent immunogens  
Zeng Weiguang\*, Jackson David C, Murray Julie, Rose Keith.
- OC17** Synthesis and biological evaluation of new interferon gamma receptor agonists : evidence of an intracellular action  
Bonnet Dominique, Loing Esqtelle, Melnyk Oleg, Thiam Kader, Gras-Masse Hélène, Auriault Claude\*.
- OC18** Effect of lipoconjugation on MBP peptide epitopes for CD4+ T cell responsiveness  
Papini Anna Maria\*, Nardi Elena, Mazzanti Benedetta, Biagioli Tiziana, Traggiai Elisabetta, Mazzucco Silvia, Chelli Mario, Ginanneschi Mauro, Kalbacher Hubert, Massacesi Luca, Vergelli Marco.
- OC20** Sequential oligopeptide carriers (SOCs) : New developments and applications  
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