

Prof. Anna Maria Papini, PhD

Invited Lectures at Universities, Research Centres and National/International Symposia

(Period 2000-2024)

Legenda

Total 128 Invited Lectures: **IL**: Invited Lecture; **KL**: Invited Keynote Lecture; **PL**: Invited Plenary Lecture; **AL**: Award Lecture; **S**: Invited Seminar; **ILTT**: Technology Transfer Invited Lecture.

2000

[Inv1] IL1: 1st Conference “Medicinal Chemistry: Drug Design and Development”, Conference and Cultural Centre, University of Patras (Greece), March 1-3, 2000. **March 1, 2000**: Lecture invited by the Chair Prof. J. Matsoukas. Title: Synthesis of post-translational modified peptide and non-peptide analogues of MBP/MOG myelin antigens in multiple sclerosis research.

2001

[Inv2] IL2: 2nd Conference “Medicinal Chemistry: Drug Design and Development”, Conference and Cultural Centre, University of Patras (Greece), March 1-3, 2001. **March 1, 2001**: Lecture invited by the Chair Prof. J. Matsoukas e Prof. P. Cordopatis. Title: Specific role of Asn(Glc) in autoantibody recognition to glycosylated peptides: towards new immunotherapeutic drugs for the treatment of Multiple Sclerosis.

2002

[Inv3] PL1: 3rd Conference “Medicinal Chemistry: Drug Design and Development”, Conference and Cultural Centre, University of Patras, Greece, March 7-9, 2002. **March 7, 2002**: Plenary “Memory Lecture in Honour of Marco Vergelli for his contributions to Multiple Sclerosis Research” invited by the Chairs Prof. J. Matsoukas and Prof. P. Cordopatis. Title: A very promising Cyclic MBP Peptide for Multiple Sclerosis.

[Inv4] PL2: European Commission-funded Intensive Course: “Synthesis for Solving Biological Problems”, Henderson Hall, Newcastle upon Tyne (United Kingdom), August 3-10, 2002. **August 3, 2002**: Plenary Lecture invited by the Chair Prof. Bernard Golding. Title: Synthesis of post-translationally modified peptides of myelin proteins. The contribution of bioorganic chemistry to the diagnosis and immunotherapy of the autoimmune disease multiple sclerosis ».

2003

[Inv5] S1: Institut de Biologie Moléculaire et Cellulaire, Strasbourg (France). Seminar invited by Dr. Jean-Paul Briand, February 21, **2003**, h. 9 :30, Salle des Séminaires. Title: CSF114(Glc): the glycopeptide detecting autoantibodies in multiple sclerosis. MS PepKit, the first diagnostic test to follow-up the disease activity.

[Inv6] **S2**: INSERM E209, Hôpital Saint-Antoine, Bâtiment Raoul, Paris (France). Seminar invited by Dr. Claude Carnaud, **June 23, 2003**. Title: Contribution of peptide chemistry to study the autoimmune disease multiple sclerosis.

[Inv7] **S3**: Journée de l'Ecole Doctorale: Du Matériau à l'Interface Chimie-Biologie, Université de Paris-Sud, Bâtiment 338, Paris (France). Seminar invited by Prof. Yves Langlois, **September 19, 2003**. Title: Contribution de la chimie bioorganique à l'étude d'une pathologie auto-immune: cas de la sclérose en plaque.

[Inv8] **S4**: 1st Practical Training Course "Innovative combinatorial approaches and technologies", ComGenex, Budapest (Hungary) & Polo Scientifico, Università di Firenze, Firenze (Italy), April 9-11, 2003. **April 11, 2003**: Seminario su invito del Dr. Ferenc Darvas, ComGenex, Budapest. Title: A combinatorial approach for the rational design of innovative diagnostic tools for autoimmune diseases.

[Inv9] **IL3**: Italian-German Mini Symposium on Peptides and Proteins. "Structure and Molecular Recognition", Max Planck Institut für Biochemie, Kleiner Hoersaal, Bauteil T, Martinsried (Germany). **December 5, 2003**: Lecture su invito del Prof. Luis Moroder. Title: Development of the innovative designed glycopeptide CSF114(Glc) as prognostic tool for the characterization of an antibody-mediated multiple sclerosis subgroup.

2004

[Inv10] **IL4**: 5th Conference "Medicinal Chemistry: Drug Design and Development", Conference and Cultural Centre, University of Patras (Greece), March 11-13, 2004. **March 11, 2004**: Lecture su invito del Chair Prof. J. Matsoukas. Title: Development of the innovative designed glycopeptide CSF114(Glc), as prognostic tool for the characterization of an antibody-mediated multiple sclerosis subgroup.

[Inv11] **IL5**: 9th Naples Workshop, Peptides as Therapeutic, Diagnostics & Vaccines, Villa Orlandi, Anacapri (Italy), May 8-11, 2004. **May 9, 2004**: Lecture su invito del Chair Prof. Ettore Benedetti. Title: Peptide-based immunoassays for the diagnosis of autoimmune diseases.

[Inv12] **S5**: Laboratoire de Synthèse et Electrosynthèse et Organométalliques UMR CNRS 5188 Faculté des Sciences, Dijon (France), **June 11, 2004**: Seminario su invito del Prof. Sylvain Jugé. Title: Solid-phase strategy to cyclic structures.

[Inv13] **S6**: D.E.A (Diplôme d'Etude Avancés): Microbiologie-Enzymologie-Nutrition (Aspects Moléculaires et Cellulaires), Magistère Microbiologie-Enzymologie (3ème année). Module Biophysique et Biologie Structurale, Université Henry Poincaré, Nancy 1, Faculté des Sciences et Techniques, Nancy (France), **December 3, 2004**: Seminario su invito del Dr. A. Aubry e dal Prof. B. Vitoux. Title: Peptides portants des modifications post-traductionnelles pour le diagnostic et la thérapie de pathologies autoimmunes.

2005

[Inv14] **S7**: Weizmann Institute of Science, Rehovot (Israel), **January 18, 2005**: Seminario su invito del Prof. M. Sela (Past President del Weizmann Institute e inventore del farmaco Copolymer1. Title: Glycosylated synthetic probes to detect disease-specific autoantibodies, biomarkers of Multiple Sclerosis.

[Inv15] **IL6**: 4th European-Japanese Bioorganic Meeting & Chemical Biology COE Program sponsored by Okayama University, Hotel Limani, Ushimado, Setouchi, Okayama-Pref. (Japan), March 15-19, 2005. **March 17, 2005**: Lecture su invito del Prof. Tetsuo Toraya. Title: CSF114(Glc): the first synthetic glycopeptide probe to follow-up disease activity in Multiple Sclerosis patients.

[Inv16] **S8**: Seminaris del Parc Cientific de Barcelona 2005, Universitat de Barcelona (Spain), **May 19, 2005**: Seminario su invito del Prof. Fernando Albericio. Titolo: A combinatorial approach for the rational design of innovative prognostic tools for multiple sclerosis.

[Inv17] **S9**: Laboratoire de Synthèse et Electrosynthèse et Organométalliques UMR CNRS 5188 Faculté des Sciences, Dijon (France), **May 2, 2005** : Seminario su invito del Prof. Claude Moise. Title: Les bases de la synthèse peptidique.

[Inv18] **S10**: Conférences de l'Institut de Chimie des Substances Naturelles, CNRS-UPR2301, Bâtiment 27, Gif-sur-Yvette (France), **7 Juillet, 2005** : Seminario su invito del Direttore dell'ICSN Prof. Jean-Yves Lallemand. Title: Les glycopeptides pour le développement de tests diagnostiques innovatifs pour suivre la sclérose en plaque: vers un traitement thérapeutique nouveau.

2006

[Inv19] **S11**: Doctorate School in Chemical Sciences, Università di Siena. Symposium on Metal Ions and Neurodegeneration, Scientific Campus of S. Miniato, Via A. Moro, Siena Room 14. **January 31, 2006**: Seminario su invito della Prof. Elena Gaggelli a nome del Collegio dei Docenti del Dottorato. Title: Aberrant glycosylation triggering autoimmunity in multiple sclerosis.

[Inv20] **IL7**: Symposium on Recent Advances in Synthesis and Chemical Biology V. Center for Synthesis and Chemical Biology. O'Flanagan Theatre, Royal College of Surgeons in Ireland (RCSI), Dublin (Ireland), **December 15, 2006**: Invited by Prof. Kevin B. Nolan. Title: An Innovative Chemical Reverse Approach to the Discovery of Specific Biomarkers of Autoimmune Diseases.

[Inv21] **IL8**: 7th Conference "Medicinal Chemistry: Drug Design and Design", Conference and Cultural Centre, University of Patras (Greece), March 8-11, 2006. **March 9, 2016**: Invited by the Chair Prof. J. Matsoukas. Title: Diagnostics and Prognostic Tools in Multiple Sclerosis.

2007

[Inv22] **PL3**: Israeli-Italian Bi-National Conference Brain functions: from Basic Research to clinical Applications, Weizmann Institute of Science, Rehovot (Israel), **March 14, 2007**: Plenary Lecture invited by Prof. M. Tsodyks. Title: A chemical reverse approach to biomarkers of neurological disorders.

[Inv23] **S12**: Department of Biological Chemistry, Judea & Samaria College, Ariel (Israel), **March 15, 2007**: Invited by Dr. Gary Gellerman. Title: An aberrant N-glycosylation triggering autoimmunity in Multiple Sclerosis from follow-up of disease activity to specific therapeutic treatments.

[Inv24] **PL4:** 6th Congress of the Israeli association for Medicinal Chemistry, Weizmann Institute of Science, Rehovot (Israel), **March 18, 2007**. Plenary Lecture invited by Prof. M. Fridkin. Title: A chemical Reverse Approach to detect biomarkers of autoimmune diseases (Bulletin of the Israel Chemical Society N. 23/January 2008).

[Inv25] **S13:** Bar-Ilan University, Department of Chemistry, Ramat-Gan (Israel), Special Seminar **March 19, 2007**. Invited by Prof. Gerardo Byk. Title: Optimized synthetic strategies to glycopeptides for the development of a diagnostic/prognostic test for Multiple Sclerosis.

[Inv26] **S14:** Istituto di Biofisica- Unità Operativa di Pisa. Area Ricerca Pisa- S. Cataldo, Pisa (Italy). **May, 2, 2007**. Invited by Dr. Santi Chillemi. Title: A chemical reverse approach to detect autoantibodies as biomarkers of autoimmune diseases.

[Inv27] **IL9:** Modern Solid Phase Peptide Synthesis & its applications. An official satellite meeting of the 7th International Australian Peptide Symposium, Port Douglas (Australia), October 17-20, 2007. **October 18, 2007**. Invited by Prof. J. Wade. Title: N-Triazinylammonium coupling reagents: from the concept of superactive esters to a versatile assistance for peptide synthesis.

[Inv28] **S15:** Howard Florey Institute, University of Melbourne, Melbourne (Australia), **October 29, 2007**. Invited by Prof. John Wade. Title: An aberrant N-glycosylation triggering autoimmunity in Multiple Sclerosis: from an efficient follow-up of disease activity to a guide for specific therapeutic treatments.

[Inv29] **S16:** Burnet Institute, Austin Campus, Heidelberg (Australia), October 31, **2007**. Invited by Prof. V. Apostolopoulos. Title: Strategies for characterisation of a Multiple Sclerosis pattern disease based on specific autoantibodies as biomarkers.

2008

[Inv30] **IL10:** Third ERA Chemistry Flash Conference: Carbohydrates at the interfaces of biology, medicine and materials science. ERA-Chemistry “A Network of research councils for the development and implementation of joint bottom-up European programmes for curiosity driven research”, Embark initiative, Killarney (Ireland), 9-13 March, 2008. **March 13, 2008**. Invited by Prof. S. Oscarson and Prof. P. Murphy. Title: Aberrant glycosylations as biomarkers of autoimmune diseases correlating with disease activity: toward the development of reliable diagnostic/prognostic tools.

[Inv31] **AL1:** 6th Hellenic Forum on Bioactive Peptides, The Conference and Cultural Centre of the University of Patras (Greece), May 18-20, 2008. **May 18, 2008: 1st Dimitrios Theodoropoulos Memorial Lecture Award by the Hellenic Peptide Society to A.M. Papini in recognition of her significant contribution to the advancement of peptide science and especially in peptide chemistry**. Title: A “Chemical Reverse Approach” to modified peptides as synthetic antigenic probes to detect autoantibodies as biomarkers of multiple sclerosis.

[Inv32] **IL11:** 5th Bulgarian Peptide Symposium, Rila Mountain (Bulgaria), 28-30 May 2008. **May 30, 2008**. Invited by Prof. L. Vezenkov. Title: Post-translationally modified peptides to develop reliable diagnostic/prognostic assays to follow up autoimmune diseases.

[Inv33] **AL2:** 30th European Peptide Symposium 31 Agosto-5 Settembre 2008, Helsinki (Finland). **31 Agosto 2008: Leonidas Zervas Memorial Lecture Award 2008 attributed by the European Peptide Society to A.M. Papini for her outstanding achievements in peptide science** (in commemoration of L. Zervas and the outstanding contributions he made to peptide chemistry nominated by the European Peptide Society). Title: Peptide-based immunoassays for biomarkers detection: a challenge for translational research.

[Inv34] **S17:** Istituto Clinico Humanitas Centro di Ricerca e Didattica, Rozzano, Milano (Italy). **December 17, 2008.** Invited by Prof. Carlo Selmi. Title: A Chemical Reverse Approach to Detect Biomarkers of Autoimmune Diseases: a Challenge for Translational Research.

[Inv35] **IL12:** 6th International Microwaves in Chemistry Conference, Cambridge Mariott@MIT, Cambridge, MA (USA), May 13-16, 2008. **May 14, 2008.** Invited by Prof. Stephen L. Buchwald and Prof. Camille Dreyfus. Title: Optimised strategies for the synthesis of biomolecules: the microwave approach to complex peptides for diagnostic/prognostic immunoassays.

2009

[Inv36] **S18:** Barcelona Biomedical Research Park PRBB-CRG Seminar, Pompeu Fabra University, Barcelona (Spain). **February 23, 2009.** Invited by Prof. David Andreu. Title: Peptide-based Immunoassays for Biomarkers Detection: a Challenge for Translational Research.

[Inv37] **S19:** Master di II livello in “Progettazione e Sviluppo di Farmaci”. Attualità nella Ricerca Farmaceutica Farmaci peptidici e peptoidici. Università degli Studi di Pavia (Italy). **April 17, 2009.** Invited by Prof. Ornella Azzolina. Title: Recenti progressi nella sintesi di peptidi d'interesse biomedico.

[Inv38] **PL5:** MAOPS, International Symposium on Microwave-Assisted Organic and Peptide Synthesis 2009, La Grande Motte (France). **June 4-5, 2009. June 4, 2009.** Invited by Dr. Gilles Subra. Title: Optimised strategies for the synthesis of biomolecules: the microwave approach to complex peptides for diagnostics.

[Inv39] **PL6:** 11th International Congress on Amino Acids, Peptides and Proteins, Vienna (Austria). **August 3-7, 2009. August 6, 2009.** Prominent speaker and Plenary Lecture invited by Prof. Norbert Sewald. Title: Glycated and glycosylated amino acids for Solid-Phase GlycoPeptide Synthesis: a challenge to microwave-assisted strategies for R&D diagnostics of autoimmune diseases.

[Inv40] **PL7:** Fundacion BBVA – IRB Barcelona BioMed Conference on “Peptide engineering: Therapeutic peptides”, October 26-28, 2009. **October, 28, 2009.** Invited by Prof. Ernest Giralt and Prof. Claudio Toniolo. Title: Click chemistry reaction: a challenge for peptide engineering to develop efficient drugs and diagnostics.

[Inv41] **IL13:** Does size matter? Beyond small molecule therapeutics: challenges and success stories”, Université Libre de Bruxelles, Salle Dupéel, Avenue Jeanne 44, Bruxelles (Belgium). **November 6, 2009:** Distinguished speaker invited by Dr. Edmond Differding (President of the Medicinal Chemistry Division, SRC) e del Prof. Koen Augustyns (President, Division for Medicinal and Bioorganic Chemistry, KVCV). Title: Synthetic post-translationally modified peptides for the discovery of new biomarkers of autoimmune diseases: a “Chemical Reverse Approach”.

[Inv42] **S20**: Prefectural University of Osaka (Japan). **November 12, 2009**. Invited by Prof. Ikuo Fujii. Title: Post-translationally modified peptides for detection of biomarkers of immune-mediated diseases: A “Chemical Reverse Approach”.

2010

[Inv43] **PL8**: XII Convegno-Scuola sulla Chimica dei Carboidrati, Gruppo Interdivisionale Chimica dei Carboidrati della S.C.I. Pontignano (Siena). **June 20-23, 2010. June 21, 2010**. Invited by Prof. Michelangelo Parrillo on behalf of the scientific committee. Title: Glycated and glycosylated amino acids for solid-phase glycopeptide synthesis: a challenge for R&D diagnostics of neurodegenerative diseases.

[Inv44] **S21**: Université de Versailles, Saint Quentin en Yvelines (France). **November 4, 2010**. Invited by Prof. Francois Couty. Title: Chemical approaches to modulate peptide secondary structures inducing specific biological recognition.

[Inv45] **IL14**: Juvenil Diabetes Research Foundation Workshop “Role of Beta Cell Antigen Modifications in the Pathogenesis of T1D and their Diagnostic and Therapeutic Potential”, New York (USA). **December 13th, 2010**. Invited by the scientific committee. Title: A “Chemical Reverse Approach” to detect autoantibodies as biomarkers of autoimmune diseases: a challenge for theragnostics.

2011

[Inv46] **S22**: iBiTec-S, CEA/Saclay, Gif sur Yvette (France). **January 25, 2011**. Invited by Dr. Bernard Rousseau. Title: Post-translationally modified peptides to characterise specific biomarkers of immune-mediated diseases: a challenge for "theragnostics".

[Inv47] **S23**: ICOA - UMR 6005 / Université d'Orléans, Orleans (France). **March 30, 2011**. Invited by Prof. Patrick Rollin. Title: Chemical approaches to modulate peptide secondary structures inducing specific biological recognition.

[Inv48] **S24**: Lessons for the « Cycle thématique de l'Université de Cergy-Pontoise » :. "Dynamiques des systèmes complexes: Modélisation de macromolécules biologiques", St Martin, Université de Cergy-Pontoise (France). **March 31, 2011**. Invited by the Chair Prof. Roberto Livi. Title: 3D structures mimicking protein biological activity: from a rational design to peptide-based diagnostics and therapeutics.

[Inv49] **S25**: Master 2nd level “Progettazione e Sviluppo di Farmaci: Attualità nella Ricerca Farmaceutica Farmaci peptidici e peptoidici”. Università degli Studi di Pavia, Pavia (Italy). **April 15, 2011**. Invited by Prof. Ornella Azzolina. Title: “Approcci sintetici per indurre strutture secondarie e modulare l'attività biologica di peptidi”.

[Inv50] **S26**: Neonatology and beyond, Sala Universitaria - Palazzo Granafei Nervegna, Brindisi (Italy). **14 May 2011**. Invited by the Chair Dr. Giuseppe Latini. Title: Ricerca di biomarcatori nelle malattie mediate dal sistema immunitario. Corso di aggiornamento per attribuzione di crediti ECM.

[Inv51] **S27**: Ecole Doctorale, Université de Montpellier (France). **May 26, 2011**. Invited by the Dean of the Faculty of Pharmacy Prof. Jean Martinez. Title: The importance of a “Chemical Reverse Approach” to modulate peptide secondary structures inducing specific and high affinity biological recognition.

[Inv52] **IL15**: Italian-German Meeting: Green and Sustainable Approach to Process Intensification, Torino (Italy), **2-3 June 2011. June 3, 2011**. Invited by the Chair Prof. Giancarlo Cravotto. Title: Efficient synthetic strategies aimed to R&D of diagnostics.

[Inv53] **S28**: INSERM U829, Laboratoire SABNP "Structure-Activité des Biomolécules Normales et Pathologiques" Université d'Evry-Val d'Essonne (France). **June 7, 2011**. Invited by Prof. Flavio Toma. Title : A « Chemical Reverse Approach » to develop efficient diagnostic/prognostic assays for immune-mediated diseases.

[Inv54] **IL16**: Gordon Research Conference – Carbohydrates, Colby College, Waterville, ME (USA), June 19-24, 2011. **June 21, 2011**. Invited by the Chairs Robert J. Woods and Nicola Pohl. Title: The “Chemical Reverse Approach” to develop glycopeptides as synthetic antigens characterising autoantibodies as biomarkers of neurodegenerative diseases. <https://www.grc.org/carbohydrates-conference/2011/>

[Inv55] **S29**: Dipartimento di Scienze della Vita, Università degli Studi di Trieste, Trieste (Italy). **July 25, 2011**. Invited by the Director of the Dipartimento di Scienze della Vita Prof. Renato Gennaro. Title: A « Chemical Reverse Approach » to develop efficient and reliable diagnostics for immune-mediated diseases.

2012

[Inv56] **IL17**: Gordon Research Conference: Peptides, Chemistry & Biology of Peptides as Signals, BioMaterials and Therapeutics. Ventura Beach Marriott, Ventura, CA (USA) February 19-24, 2012. **February 21, 2012**. Discussion Leader invited by the Chairs Prof. Fred R. Naider and Maria A. Bednarek. Session: Peptide Vaccines.

[Inv57] **PL9**: 1st See-Drug Workshop From chemical to systems biology – Peptide synthesis and protein production May 9-10, 2012, Patras (Greece). **May 9, 2012**. Invited by the Chair Prof. Georgios A. Spyroulias. Title: The importance of a “chemical reverse approach” to modulate secondary structures inducing specific and high affinity biological recognition.

[Inv58] **S30**: Scuola di Dottorato, Aula 1, Edificio E della Presidenza della Facoltà di Scienze dell'Università di Pisa, Via Buonarroti 1, Pisa (Italy). **May 28, 2012**. Invited by Dr. Federica Chiellini. Title: Problem solving in diagnostics of immune-mediated diseases: a Chemical Reverse Approach.

[Inv59] **KL1**: 13th Naples Workshop on Bioactive Peptides. Conformation and activity in peptides: relationships and interactions, Aula Magna Partenope, Napoli (Italy), June 7-9, 2012. **June 9, 2012**. Invited by the Chairs Prof. Giancarlo Morelli and Dr. Michele Saviano. Title: The mimicry pathway from glycopeptides to specific protein antigens of autoimmune neurodegenerative diseases. <http://www.cirpeb.unina.it/naples2012/NW2012.pdf>

[Inv60] **PL10**: Saxon Biotechnology Symposium, Centre for Biotechnology and Biomedicine (BBZ), Universitaet Leipzig and Biotechnology Center (BIOTEC) of the Technical University of Dresden, Deutscher Platz 5, 01403 Leipzig (Germany), **June 20, 2012**: Plenary Lecture invited by the Director of the Biotechnologisch-Biomedizinisches Zentrum, Prof. Dr. Andrea Robitzki. Title: Post-translational modified peptides to develop efficient IVD to follow up disease activity of autoimmune diseases: a challenge for theragnostics. http://www.biotech.tu-dresden.de/fileadmin/press/press-releases/12.06.20._Saechischer_Biotechnologietag.pdf

[Inv61] **IL18**: 32nd European Peptide Symposium, Athens (Greece), September 2-7 2012. **September 7, 2012**: Lecture invited by the Chair Prof. George Kokotos. Title: The mimicry pathway from anti-glycopeptide antibodies to specific protein antigens of immune-mediated neurodegenerative/neuroregressive diseases: the case study of Rett syndrome.

[Inv62] **IL19**: 2nd Austrian Peptide Symposium, Vienna (Austria). **November 29 2012**. Invited by the Chairs Prof. Christian F.W. Becker and Dr. Christian Gruber. Title: Post-translationally modified peptides detecting autoantibodies as biomarkers of neurodegenerative diseases: A challenge for theragnostics of immune-mediated diseases.

[Inv63] **S31**: Département de Chimie, Faculté des arts et des sciences, Université de Montreal (Québec), Salle 1035, Pavillon J.-A. Bombardier. **December 12, 2012**. Seminar invited by Prof. William D. Lubell and Prof. Joelle Pelletier. Title: A “Chemical Reverse Approach” to Modulate Peptide Secondary Structures Inducing Specific and High Affinity Biological Recognition. <http://www.calendrier.umontreal.ca/detail/155102>

2013

[Inv64] **S32**: Karlsruhe Institute of Technology, Department of Molecular Biophysics at the Institute of Biological Interfaces, Karlsruhe (Germany). **January 21, 2013**. Seminar invited by Prof. Dr. Anne S. Ulrich. Title: Peptide secondary structures modulating biological recognition: a “chemical reverse approach”.

[Inv65] **PL11**: 22nd Polish Peptide Symposium, Kudowa Zdroj (Poland), September 1-5, 2013. **September 4, 2013**. Plenary Lecture invited by the Chairman Prof. Rafal Latajka. Title: Autoimmunity and Neurodegeneration: the Mimicry Pathway From Aberrant N-glycosylated Peptides to Specific Protein Antigens.

2014

[Inv66] **IL20**: Gordon Research Seminar (GRS): Chemistry & Biology of Peptides: Recent Advances in the Peptide Chemistry Toolbox, Ventura Beach Marriott, Ventura, CA (USA), February 22-23, 2014. **February 22, 2014**. Discussion leader invited by the Chairs Charles J. Bowerman and Neha Garg for the Session title: “Pushing the Boundaries of Peptide Methodology and Application”. <https://www.grc.org/chemistry-and-biology-of-peptides-grs-conference/2014/>

[Inv67] **IL21**: Hungarian Peptide Symposium, 28-30 May, 2014, Lake Balaton (Hungary). **May 28, 2014**: Invited by the Chair Prof. Gabor Mezo. Title: Post-translationally modified peptides to develop efficient IVDs to follow up disease activity: a challenge for theragnostics of autoimmune diseases.

[Inv68] **KL2**: 14th Naples Workshop on Bioactive Peptides “The Renaissance era of Peptides in Drug Discovery”, Aula Magna Partenope, Centro Congressi “Federico II”, Napoli (Italy), 12-14 June 2014. **June 13, 2014**: Keynote Lecture su invito dei Chair Prof. G. Morelli, Dr. M. Saviano e Prof. Paolo Grieco. Title: From an N-glycopeptide synthetic probe to an hyper-glycosylated protein antigen: a bacterial infection triggering and antibody mediated form of multiple sclerosis?

[Inv69] **IL22**: First European Workshop on Tolerogenic Vaccination in Autoimmune Diseases, University of Piemonte Orientale “Amedeo Avogadro” Aula Magna, Via Solaroli 17, 28100 Novara (Italy). **November 20, 2014**. Invited by the Chairs Prof. Umberto Dianzani and Prof. John Matsoukas. Title: Glycopeptides and immune response.

2015

[Inv70] **S33**: Technische Universität München, Emil Erlenmeyer Forum 5, Freising, Weihenstephen (Germany). **June 2, 2015**. Invited by Prof. A. Kaporniotu. Title: A “Chemical Reverse Approach” to Modulate Peptide Secondary Structures Inducing Specific and High Affinity Biological Recognition.

[Inv71] **IL23**: International Joint Israel-Greek-Italian Neuroimmunology Meeting, Elounda, Crete (Greece), June 11-14, 2015. **13 June 2015**. Invited by the Chairs Prof. Dimitrios Karussis. Title: From synthetic glycopeptides to the discovery of bacterial proteins cross-reacting with anti-N-glycosylation antibodies in Multiple Sclerosis.

[Inv72] **PL12**: 23rd Polish Peptide Symposium August 30 – September 3, 2015. Hotel Zacisze Piłsudskiego 97-215 Spała (Poland). **September 1, 2015**. Plenary Lecture invited by the Chair Prof. Beate Kolesinska. Title: Strategies for modulation of secondary structures to optimise biological recognition.

[Inv73] **IL24**: 15th International Conference on Microwave and High Frequency Heating AMPERE 2015, Carocow (Poland), September 14-17, 2015. **September 16, 2015**. Invited by the Chairman Dariusz Bogdal. Title: The challenge of MW-assisted solid-phase peptide synthesis: R&D of peptide-based diagnostics.

2016

[Inv74] **IL25**: Gordon Research Seminar (GRS): Chemistry & Biology of Peptides: Peptides and Peptidomimetics: Inspired by Nature and Applied by Scientists, Ventura Beach Marriott, Ventura, CA (USA), February 20-21, 2016. **February 20, 2016**: Discussion Leader invited by the Chairs Neha Garg and Astrid Knuhtsen for the Session “Peptides in Infectious Diseases”. <https://www.grc.org/chemistry-and-biology-of-peptides-grs-conference/2016/>

[Inv75] **S34**: Department of Biology, Technische Universität Darmstadt (Germany). **July 7, 2016**. Invited by Prof. Maria Cristina Cardoso. Title: From an N-glycosylated peptide to a bacterial protein involved in triggering autoantibodies in Multiple Sclerosis and Rett Syndrome

[Inv76] **S35**: UMR CNRS BioCIS – Unité Mixte de Recherche CNRS BioCIS (Biomolécules: Conception, Isolement, Synthèse), Faculté de Pharmacie, Université Paris-Sud, Chatenay-Malabry (France). **October 13, 2016**. Invited by the Director Dr. Bruno Figadère. Title: Antibodies from Multiple Sclerosis patients preferentially recognize hyperglucosylated adhesin of nontypeable *Haemophilus Influenzae*.

[Inv77] **PL13**: Theo Murphy International Scientific Discussion meeting, The Royal Society “Self-assembled peptides: from nanostructure to bioactivity” Kavli Royal Society Centre, Chicheley Hall, Newport Pagnell, Buckinghamshire, MK16 9JJ (UK), October 24-25, 2016. **October 25, 2016**. Plenary Lecture invited by the Chairs Prof. Dek Woolfson and Prof. Louise Serpell. Title: Autoimmunity and neurodegeneration: the mimicry pathway from aberrant N-glycosylated peptides to specific protein antigens. Tape record of the talk: <http://downloads.royalsociety.org/events/2016/10/self-assembled-peptides/Papini.mp3>

[Inv78] **S36**: IBB - Istituto CNR di Biostrutture e Bioimmagini, Sezione di Catania (Italy), **December 6, 2016**. Invited by the Director of IBB Dr. Marcello Mancini and the Director of the Unit of Catania Dr. Giuseppe Pappalardo. Title: Autoimmunity and neurodegeneration. The mimicry pathway from aberrant N-glycosylated peptides to specific protein antigens, antibodies from Multiple Sclerosis patients preferentially recognize hyperglucosylated adhesin of nontypeable *Haemophilus Influenzae*.

2017

[Inv79] **PL14**: SECO 54 – 54th Edition of the « Semaine d'Etudes en Chimie Organique », **May 7-13 2017**, Saint Martin de Londres, Hérault (France). **May 9, 2017**: Plenary lecture su invito del Dr. Kévin Fauché a nome del Comitato organizzatore. Title : Autoimmunity and neurodegeneration: the mimicry pathway from aberrant N-glycosylated peptides to specific protein antigens.

[Inv80] **PL15**: 24th Polish Peptide Symposium on the occasion of the 50th anniversary of the first meeting of Polish scientists working in the field of peptides, Jastrzębia Góra, Gdańsk (Poland), September 3-7, 2017. **September 5, 2017**: Plenary lecture invited by the Chairperson Prof. Sylwia Rodziewicz-Motowidło for the “Session dedicated to the memory of Dr. K. Bankowski: Peptide and peptidomimetics synthesis”. Title: Cosmeceuticals behind the secret of youth: a peptide point view.

2018

[Inv81] **S37**: Technische Universität München, Emil-Erlenmeyer-Forum 5, Freising-Weihenstephen, **January 9, 2018**. Invited by Prof. Dr. Aphrodite Kapurniotu. Title: Peptides in the pharmaceutical market: state-of-the art and perspectives.

[Inv82] **S38**: Center of Evolutionary Chemical Biology, Department of Chemistry & Nano Science Center, University of Copenhagen, **January 11, 2018**. Invited by Prof. Dr. Morten Meldal. Title: Antibodies from Multiple Sclerosis patients preferentially recognize hyperglucosylated adhesin of nontypeable *Haemophilus Influenzae*.

[Inv83] **S39**: Corso di specializzazione per attribuzione ECM “Endocrine Disrupting Chemicals and Developmental Origins of Health and Disease”, Reggio Emilia (Italy), **23 Febbraio 2018**. Invited by the Chair Prof. Maria Street to moderate session IV: Nuovi supporti per la ricerca.

[Inv84] **KL3**: RiminiPeptides 2018: “Peptides and conjugates for tumor targeting, therapy and diagnosis”, June 16-18, 2018 Rimini (Italy). **June 17, 2018**. Keynote Lecture invited by the Chair Prof. Dr. Norbert Sewald. Title: Exotic side chain-to-side-chain cyclization modes in octreotide analogs for tumor pretargeting.

[Inv85] **KL4**: EuroChemistry Conference 2018 June 11-13, 2018 Rome, Italy. **June 11, 2018**. Keynote lecture invited by the Chair Dr. Steven J. Soldin. Title: Autoimmunity and neurodegeneration: the mimicry pathway from aberrant N-glycosylated peptides to specific bacterial antigens.

[Inv86] **S40**: Wrocław University of Technology, Zakład Technologii Organicznej i Farmaceutycznej Wydział Chemiczny (Poland), **June 28, 2018**. Invited by Prof. Dr. Rafał Latajka. Title: "Peptides and conjugates for tumor targeting, therapy and diagnosis: the wonderful world of click chemistry".

[Inv87] **PL16:** International Workshop & Summer School “Mass spectrometry in Medical Technology and Biotechnology” Int. MSc Course “Medizintechnik/ Medical Technology”, Rhein Main University, Rüsselsheim am Main (Germany), August 19-25, 2018. **August 19, 2019:** Plenary opening Lecture invited by Prof. Dr. Michael Przybylski. Title: “A chemical approach to identify peptide epitopes for high affinity antibodies in autoimmune diseases”.

[Inv88] **IL26:** EuroPEPTIDES 2018 part of Tides Europe: Peptide Discovery and Drug Development Strategies, Postillion Hotel Amsterdam, Paul Van Vlissingenstraat 8, NL – 1096 BK Amsterdam (NL), November 6-8, 2018. **November 6, 2018.** Invited by Dr. Waleed Danho. Title: “New Modalities and peptide drug development strategies”.

[Inv89] **IL27:** 10th International Peptide Symposium, ROHM Theatre Kyoto and Miyako Messe (Japan), December 3-7, 2018. **December 6, 2018.** Invited by the Chair Prof. Shiroh Futaki. Title: “Antibodies from multiple sclerosis patients preferentially recognize hyperglucosylated adhesin of non-typeable Haemophilus influenzae”.

2019

[Inv90] **S41:** L. LEKARSKA FAKULTA, Univerzita Karlova, Large meeting room of Dean’s Office Building, Praha (Tchek Republic), **March 19, 2019.** Invited by Prof. Aleksí Šedo, Dr. Sc., Dean of the First Faculty of Medicine. Title: Glycopeptides as immunological probes for the characterization of autoantibodies, biomarkers of Multiple Sclerosis.

[Inv91] **S42:** CoffeTalk@ISOF: Extended Edition. ISOF12- CNR Area della Ricerca di Bologna - Ed. 12; Meeting Room (1st Floor), Via P. Gobetti 101, 40129 Bologna (Italy), **April 16, 2019.** Invited by Dr. Paolo Dambruoso. Title: A chemical approach to identify peptide epitopes for high affinity antibodies in autoimmune diseases.

[Inv92] **S43:** 5th Workshop of the Joint Doctoral Program in Chemistry (Università degli Studi di Trieste e Università Cà Foscari di Venezia), Room Giorgio Padoan, San Sebastiano, Venezia, June 26-28, 2019. **June 28, 2019.** Invited by the Coordinator of the PhD School Prof. Barbara Milani. Title: A Chemical Reverse Approach to develop efficient and reliable peptide-based diagnostics for immune-mediated diseases.

[Inv93] **PL17:** 25th Polish Peptide Symposium, Wojanów (Poland), **September, 8-12, 2019. September 9, 2019:** Plenary lecture invited by the Chair Prof. Justyna Brasun. Title: The Chicken or Egg dilemma: are antibodies to aberrantly modified conformational peptide epitopes in autoimmunity reminiscent of early infections?

[Inv94] **S44:** Colloquium of the Department of Bioscience and Biotechnology Konkuk University Seoul 05029 (Korea) October 14, 2019 – 3:00 pm. Title: Are antibodies to aberrantly modified conformational peptide epitopes in autoimmunity reminiscent of early infections?

[Inv95] **PL18:** Recent Advances in Peptide Research, Joint International Peptide Symposium Korean Protein Peptide Society & SKKU College of Pharmacy. Sungkyunkwan University, Suwon (South-Korea), October 15, 2019. Title: From a synthetic N-glucosylated peptide probe to an hyper-glucosylated adhesin protein antigen: a bacterial infection triggering an antibody mediated form of Multiple Sclerosis?

[Inv96] **IL28:** 124th Korean Chemical Society National Meeting. Session: Peptides and Biological Chemistry, Changwon (South Korea), October 17-18, 2019. Invited Lecture by the Secretary general of the Korean Chemical Society (KCS), Division of Biological Chemistry on behalf of the Organising Committee Dr. Hyun-Suk Lim, by the President of the Korean Peptide Society Prof. Yangmee Kim and the President of the KCS Division of Biological Chemistry Prof. Sang Jeon Sung. Title: Strategies for modulation of secondary structures to optimise biological recognition.

[Inv97] **AL3:** Council for Higher Education (Israel). Rita Levi Montalcini Prize 2019 for Israel-Italy Scientific Cooperation (Prof. Nir Quit, Bar-Ilan University, Dr. Mattan Hurevich, Institute of Chemistry, Hebrew University of Jerusalem, Dr. Rina Aharoni, Weizmann Institute of Sciences) The Azrieli Faculty of Medicine, Bar-Ilan University, Safed, Israel, December 23, 2019, 2 pm. Title: The Chicken or Egg dilemma: Are antibodies to aberrantly modified conformational peptide epitopes in autoimmunity reminiscent of early infections?

2020

[Inv98] **PL19:** 17th Iberian Peptide Meeting (17th EPI), Auditorium of the Rocasolano Institute of Physical Chemistry (IQFR), Consejo Superior de Investigaciones Científicas (CSIC), Madrid (Spain), February 5-7, 2020. **February 5, 2020.** Plenary Lecture invited by the Chairs Rosario González-Muñiz, M^a Angeles Jiménez and María José Camarasa. Title: Strategies for modulation of peptide secondary structures to optimise biological recognition. <http://epi2020.iqfr.csic.es/>

[Inv99] **IL29:** 85th Annual Meeting of the Israel Chemical Society, W1: Chemical Biology (Teddy A). International Convention Center ICC (Binyanei Hauma), Jerusalem (Israel), February 18-19, 2020. **February 19, 2020 – 11:50-12:20.** Invited Lecture by the Chairs Shlomo Yitzchaik and Lioz Etgar. Title: From a synthetic N-glucosylated peptide probe to an hyper-glucosylated adhesin protein antigen: a bacterial infection triggering an antibody mediated form of multiple sclerosis?

2021

[Inv100] **IL30:** Latest Development in Peptide Synthesis. Academic Guest Speaker. Title: The challenge to design fully automated solid-phase MW-assisted cGMP ready processes of peptide production as active pharmaceutical ingredients. Webinar 10th March 2021 9:15am-3:00pm. <https://www.cemmicrowave.co.uk/copy-of-peptide-synthesis-webinar-march-2021---speakers>. <https://vimeo.com/cemmicrowave/peptidewebinar2021>

[Inv101] **PL20:** 2021 BOULDER PEPTIDE VIRTUAL SYMPOSIUM, St. Julien Hotel & Spa in Boulder, Colorado, June 11, 2021. Invited Lecture by Dr. John Philip Mayer, University of Colorado Boulder and Dr. Matthew Duffy, Title: Aberrantly modified conformational peptide epitopes, specific for antibodies biomarkers of immune-mediated diseases, can be reminiscent of an early infection. The Chicken or Egg dilemma? <https://boulderpeptide.org/>

2022

[Inv102] **S45** Associazione Amici del Liceo Scientifico «Leonardo da Vinci» di Firenze 29 Novembre 2022. Liceo Scientifico « Leonardo da Vinci », Firenze. Title: Una lezione dalla natura per combattere virus e batteri: peptidi e proteine

[Inv103] **PL21**: 10th International Peptide Conference, Bulgarian Peptide Society, Varna, Bulgaria. Session 1, September 1, 2023 From peptide-based drugs and diagnostics to cosmetics to inspire next Generation EU Researchers to transfer academic results into the market. Invited by Prof. Pamela Papajnova.

[Inv104] **S46** Webinar Xtalks. Gyros Protein Technologies, Friday October 28, 2022 – 16:00 pm CEST.
Title: Obtaining Complex Peptides Thanks to Efficient Technologies is No Longer a Dream: Successful Stories of Difficult Syntheses,

[Inv105] **S47** CEM Workshop, 36th European Peptide Symposium and 12th International Peptide Symposium, Sitges, Barcelona, Thursday September 1, 2022, 13:30 p.m. Title: Optimisation of Safe Processes from Bench to Pilot cGMP Production of Peptide Active Pharmaceutical Ingredients: The Challenge of Multigram-Scale Microwave-Assisted Solid-Phase Peptide Synthesizer. Invited by CEM.

[Inv106] **IL31** Boulder Peptide Symposium, Peptide Vaccines Virtual Mini-Symposium, Friday, June 11, 2021, 12:00 p.m. Title: The challenge of epitope presentation for efficient antibody recognition: a lesson from autoimmune diseases for a more effective management of emerging infectious diseases

2023

[Inv107] **IL32** The first comprehensive diagnostic profile of specific metabolites of EDCs phthalates, bisphenols, parabens, pyrethroids, PAHs, and polar pesticides in mother and child dyads News from the LIFE MILCH project. 19th International Workshop on Neonatology and Pediatrics, FROM WOMB TO AGING, FROM MEDICAL HISTORY TO ARTIFICIAL INTELLIGENCE 18th-21st October 2023, T Hotel, Cagliari. Invited by the Chair Prof. V. Fanos.

[Inv108] **IL33** 60th Anniversary of Japanese Peptide Symposium: Development of Peptide Science. November 9, 2023 – Biwako Hall, Center for the Performing Arts, Shiga 15-1 Uchidehama, Otsu-shi, Shiga. Session 7 November 9, 2023 - 11:10-11:35 a.m. Title: From Serpin A1 to KP1 protecting dermal collagen from degradation: the story of a peptide-based cosmeceutical into the market and beyond. Invited by the Chairs: Prof. and Prof.

[Inv109] **S48** XL-CHEM Graduate School of Research Autumn School 2022, Friday September 9, 2022 – 10:15-12:15. Amphi Poirier, MSA - Normandie Université. Title: The challenge of biological function optimisation through side-chain to side-chain macrocyclisation fine tuning of peptide secondary structures. Invited by Prof. J.Y Renard.

[Inv110] **IL34** International Mini-Symposium on Peptide Design and Functional Extension: A Satellite Symposium of the 60th Japanese Peptide Symposium. Saturday, November 11th, 2023, Seminar Room 4 and 5, Uji Obaku Plaza, Kyoto University. Title: From peptides to

peptidomimetics and the challenge of industrial applications. Invited by the Chair Prof Shiroh Futaki.

[Inv111] **S49** Osaka Municipality University, November 13, 2023, Title: A peptide-based approach to fight SARS-Cov-2: from vaccines to antivirals. Kindly invited by Prof. Ikuo Fujii

2024

[Inv112] **S50** PurePep Webinar, Gyros Protein Technologies, Wednesday May 8, 2024 – 4:00 pm CET. Title: Cutting through the noise of green peptide chemistry: The challenge for safe manufacturing processes not only of API but also cosmetic quality grade. Invited by Dr. D. Sarma, MesaLab.

Invited Lectures aimed to technology transfer (Period 2004-2024)

[ILTT1] Simposio “Direzioni future nella sclerosi multipla”, Facoltà di Medicina e Chirurgia, Università di Firenze, Dipartimento di Scienze Neurologiche e Psichiatriche, Firenze, (Italy), Aula Magna della Facoltà di Medicina. **6 April 2004**. Invited speaker by Prof. S. Sorbi. Title: CSF114(Glc): un glicopeptide sintetico, marker innovativo di sclerosi multipla mediata da autoanticorpi.

[ILTT2] i-techpartner Academy Italy, Research leaders and entrepreneurs assess collaborative innovation, APRE Europe, Rome (Italy). **27 November, 2007**. Invited by APRE as Chief of the Scientific Committee of Toscana Biomarkers Srl (Siena) and research leader of the universities involved in funded start-ups. Title: Modified peptides as diagnostic tools for autoimmune disease: a chemical reverse approach.

[ILTT3] 2nd TLS Investment Advisory Panel Meeting, Hotel Garden, Via Custoza 2, Siena (Italy), Fondazione Toscana Life Sciences. **July 13, 2007**. Invited by Francesco Maria Senatore, Business development TLS. Title: Optimised synthetic strategies to develop an efficient diagnostic/prognostic test for Multiple Sclerosis.

[ILTT4] “Peptide Users Group”, Spring Symposium, Mimotopes – Genzyme Pharmaceuticals, Melbourne (Australia). **October 30, 2007**. Invited by Mimotopes - The Peptide Company. Title: Optimised synthetic strategies to develop an efficient diagnostic/prognostic test for Multiple Sclerosis.

[ILTT5] BioInItaly 2008, Milan Chamber of Commerce Special Agency for Innovation, Affari ai Giureconsulti, Milano (Italy), March 31-April, 2008. **April 1, 2008**. Invited by the organising committee. Title: Toscana Biomarkers

[ILTT6] BioInItaly in partnership with innovhub, Milan Chamber of Commerce Special Agency for Innovation, Affari ai Giureconsulti, Milano (Italy), May 4-5, 2009. **May 5, 2009**. Invited speaker by Dr. Roberto Gradnik, President of Assobiotech (Italian Association for the Development of Biotechnology). Title: The Start-up Toscana Biomarkers.

[ILTT7] Conseil Général du Val d’Oise, 2 Avenue du Parc, 95000 Cergy-Pontoise (France), **July 7, 2009**. Invited by Dr. Jean-Francois Benon, General Manager of CEEVO, (Comité d’expansion

économique du Val d'Oise). Title: Molecular Detection for Life Sciences (MoDeLS). A project under the Seventh Framework Programme – Regions of Knowledge Initiative.

[**ILTT8**] Region of Osaka (Japan). Mission Economique du Val d'Oise. **November 10, 2009**. Invited by the Region of Osaka. Title: Molecular Detection for Life Sciences MOD&LS: A Project under the 7th Framework Programme-Regions of Knowledge Initiative.

[**ILTT9**] State University of Osaka (Japan). **November 13, 2009**. Invited by the Region of Osaka. Title: Molecular Detection for Life Sciences: An European Project coordinated by the Conseil Général du Val d'Oise.

[**ILTT10**] Ricerca Impresa, Polo Scientifico di Sesto Fiorentino, Università di Firenze (Italy). **December 3, 2009**. Title: Molecular Detection for Life Sciences (MoDeLS): An European Project coordinated by CGVO – Ile de France.

[**ILTT11**] Conseil Régional de Bourgogne, 17, boulevard de la Trémouille CS, Dijon (France). **December 9, 2009**. Invited by Conseil Régional de Bourgogne. Title: Molecular Detection for Life Sciences (MoDeLS): An Innovative Management Model of European Projects.

[**ILTT12**] TLS Work in Progress, Centro Ricerche Novartis, Siena (Italy). **December 11, 2009**. Invited by the General Manager of Toscana Life Sciences Dr. G. Carganico. Title: Toscana Biomarkers S.r.l. R&D start-up company. Start-up Toscana Biomarkers.

[**ILTT13**] Presentation to Cosmetic Valley in Neuville Université (France). **February 24, 2010**. Invited by the Directeur Général and Founder of Cosmetic Valley Jean-Luc Ansel. Title: European Leonardo Institute of Technology@UCP. An Infrastructure to favour Innovation in Cosmetics towards Cosmeceutics.

[**ILTT14**] Hybrigenics, Paris (France). **March 10, 2010**. Invited by the Director of Industrial Operation & Technology Development Jean-Christophe Rain, Dr. Sci. Title: Post-translationally modified peptides to characterise specific biomarkers of immune-mediated diseases: a challenge for "theragnostics".

[**ILTT15**] CGVO Semaine de la Recherche et de l'Innovation Cergy-Pontoise (France). **May 3, 2010**. Invited by the Managing Director of Val d'Oise Economic Expansion Committee Dr. Jean-Francois Benon. Title: Molecular Detection for Life Sciences. An Institute of Technology@UCP. An Infrastructure to favour Innovation in Diagnostics: an European Model.

[**ILTT16**] Roche Partnering GEM Event Research and Technology Team. Hotel Lutetia, 45 Blvd. Raspail, 75005 Paris (France). **June 23, 2010**. Invited by the Manager Global Business Development Dr. Imma Barrera and RP DBA Leader Metabolism Dr. Andrew Sleight. Title: Toscana Biomarkers S.r.l. R&D *start-up* company.

[**ILTT17**] 5th EU-China Business & Technology Cooperation Fair, organised by the EU Project Innovation Centre – EUPIC, and Chengdu Hi-Tech Zone Management Committee, Chengdu, Sichuan (China), 16-21 October 2010. Speech from the experts **October 18, 2010**. Guest speaker invited by Segree Dai, CEO of EUPIC. Title: Molecular Diagnostics for Life Sciences (MoDeLS) An European Infrastructure based on a Technology Platform Network to favour R&D in SMEs

[**ILTT18**] China – Italy Regional Cooperation Forum on Technology and Innovation, Fortezza da Basso, Firenze (Italy), 10-12 November 2010. **November 11, 2010**. Invited speaker for the session

“Life Sciences e industria della salute” by Assobiotec and Toscana Life Sciences as a successful example of SME. Title: Toscana Biomarkers: the proof-of-concept of an innovative approach to molecular diagnostics.

[**ILTT19**] F. Hoffman La Roche, Basel (Switzerland). **February 1, 2011**. Invited by the Director of Peptide Discovery. Title: Toscana Biomarkers S.r.l. R&D *start-up* company.

[**ILTT20**] Meeting UCP & 3M Science, Neuville Université. **September 1, 2011**. Invited speaker by 3M Science. Title: Molecular Diagnostics for Life Sciences (MoDeLS). An European Infrastructure based on a Technology Platform Network to favour R&D in SMEs.

[**ILTT21**] IPSEN INNOVATION – ZI de Courtaboeuf 5, Av. Du Canada 91940 Les Ulis (France). **January 18, 2012**. Invited by Dr. Christophe Lanco, Sr Scientist - Compounds Discovery. Title: The importance of a “Chemical Reverse Approach” to modulate peptide secondary structures inducing specific and high affinity biological recognition.

[**ILTT22**] EuroPEPTIDES 2013, Clarion Congress Hotel Prague (Czech Republic), November 13-14, 2013. **November 13, 2013**. Invited as speaker at the forefront of peptide development for the “Session on peptide diagnostics and biomarkers” by the Chair Dr. Waleed Danho on behalf of INFORMA. Title: Optimised Synthetic Strategies to Post-Translationally Modified Peptides as Reliable Diagnostics of Immune-Mediated Diseases.

[**ILTT23**] Connexions R&D 2013: Rencontrez les acteurs de la recherche en cosmétique. Les Turbulences, Frac Centre, Orléans (France). **December 10, 2013**. Invited by the President J.-L. Ansel on behalf of the scientific committee of Cosmetic Valley France. Title: Peptides et applications cosmétiques.

[**ILTT24**] 1ère Edition des rencontres interdisciplinaires «Chimie-Biologie». SATT idfinnov, Cité Internationale Universitaire – Maison de Norvège, Paris (France). **March 18, 2014**. Invited by the scientific Committee of idfinnov. Title: « Projet PepKit » Mise en place et développement d’une approche de « chimie inverse » à l’Université de Cergy-Pontoise et création de la plateforme PeptLab@UCP ».

[**ILTT25**] Conférence Inter-professionnelle SUP’BIOTECH. Dermo-Cosmétologie : les enjeux de la R&D, Paris (France). **February 10, 2015**. Invited speaker by the scientific Committee. Title: Peptides et applications cosmétiques avec la présentation des plateformes de recherche sur les peptides (Université de Cergy-Pontoise).

[**ILTT26**] Peptide Therapeutics Forum, BASEL LIFE, Congress Centre Basel (Switzerland), **September, 10-11, 2019. September 11, 2019**. Invited lecture by the Chairs Dr. Thomas Vorherr (Novartis Pharma AG, Basel, CH) and Roderich Suessmuth (Technical University of Berlin, Germany). Title: Exotic side chain-to-side-chain cyclization modes in octreotide analogs for tumor pretargeting. <https://www.basellife.org/2019/basel-life-structure/innovation-forums/scientific-programme/peptide-therapeutics.html>

[**ILTT27**] IOPC 2019 - International Oligonucleotides and Peptides Conference, Ramada Plaza Hotel, Milano (Italy), **September 17-18, 2019. September 18, 2019**. Invited by TeknoScienze as Member of the Scientific Committee, Chair of the Workshop on Delivery and Speaker. Title: Specific Glycosylation Techniques for Efficient Protein Therapeutics. <https://www.iopc-tks.com/committee/>

[ILTT28] UniFi@ARTES 4.0: tecnologie e servizi per le imprese: quali sono e come accedere alle competenze dell'unità operativa ARTES 4.0 dell'Università degli Studi di Firenze. **Firenze (Italy) 22-23 Giugno 2021**. Invited by University of Florence. Title: I peptidi: una lezione dalla natura per sviluppare molecole sostenibili d'interesse dell'industria cosmeceutica, nutraceutica, diagnostica, farmaceutica, dei materiali e molto altro.

Chair of scientific sessions in Symposia

Monday September 1, 2008 (16:00-17:20): Chair of the Session 04 "Libraries and peptidomimetic applications", 30th European Peptide Symposium, Helsinki (Finland), invited by the Chair Dr. H. Lankinen.

Wednesday October 28, 2009 (9:00-13:15): Chair of the Session III, Barcelona BioMed Conferences. Peptide engineering: therapeutic peptides, Barcelona (Spain), invited by the Chairs Prof. E. Giralt and Prof. C. Toniolo.

Monday September 6, 2010 (10:40-12:30): Chair of the Session S2 "Synthetic Chemistry of amino acids and peptides", 31st European Peptide Symposium, Copenhagen, invited by the Chair Prof. M. Meldal.

Thursday July 29, 2010 (15:20-16:20): Chair of the Session B, 24th International Symposium on the Organic Chemistry of Sulfur – ISOCS-24, Florence (Italy), invited by the Chair Prof. A. Degl'Innocenti.

Sunday June 10, 2012 (9:00-11:00): Chair of the Session VIII "Peptide drug design", 13th Naples Workshop on Bioactive Peptides, Napoli (Italy), invited by the Chair Prof. G. Morelli.

Thursday September 6, 2012 (11:00-12:30): Chair of the 16th Session, 32th European Peptide Symposium, Athens (Greece), invited by the Chair Prof. G. Kokotos.

Wednesday September 4, 2013 (15:00-16:55): Chair of the Sessione "Enzymes substrates and inhibitors II", 22nd Polish Peptide Symposium, Kudowa Zdroj (Poland), invited by the Chair Prof. R. Latajka.

Friday June 13, 2014 (16:40-18:20): Chair of the Session IB "Antimicrobial Peptides", 14th Naples Workshop on Bioactive Peptides, Napoli (Italy), invited by the Chair Prof. G. Morelli.

Monday September 1, 2014 (14:00-16:40): Chair of the Session 3, 33rd European Peptide Symposium, Sofia (Bulgaria), invited by the Chair Prof. L. Vezenkov.

Wednesday September 2, 2015 (9:00-10:40): Chair of the Session "Peptides/Peptidomimetics for Medicine II", 23rd Polish Peptide Symposium, Spala 2015 (Poland), invited by the Chair Prof. B. Kolesinska.

Saturday October 3, 2015 (8:30-13:30): Moderatore della I sessione "Chimica, cibo, acqua potabile e sicurezza alimentare", XVII Congresso Nazionale dei Chimici, Milano (Italy), invited by the scientific coordinator Dr. E. Miriani.

Thursday September 8, 2016 (8:30-10:30): Chair of the Session "Imaging and modulation of enzymes and receptors: Receptor Modulation", 34th European Peptide Symposium-8th International Peptide Symposium, Leipzig (Germany), invited by the Chair Prof. A. Beck-Sickinger.

Friday December 7, 2018 (14:50-16:20): Chair of the Session 14 "Peptides Today and the Future", 10th International Peptide Symposium, Kyoto (Japan), invited by the Chair Prof. S. Futaki.

ORAL AND POSTER COMMUNICATIONS SELECTED FOR PRESENTATIONS AT NATIONAL AND INTERNATIONAL SYMPOSIA

Oral Communications (1985-2024)

(Underlined the name of the lecturer)

1985-1991

[OC1] A.M. Papini, G. Dupuis. Anti-hapten monoclonal antibodies: attempts to produce anti-urushiol monoclonal antibodies in Balb/c mice. 6th Meeting GIRDCA, Torino (Italy), November 16, 1985.

[OC2] L. Moroder, K. Köcher, A.M. Papini, M. Dufresne and C.H. Schneider. The mode of peptide-antigen presentation critically affects the specificity of both immune response and antigen-antibody recognition. 8th Symposium on Chemistry of Peptides and Proteins FRG-USSR, Aachen (Germany), September 29-October 3, 1991, L-49.

1996-2000

[OC3] A.M. Papini, S. Mazzucco, A. Franchi, M. Chelli, M. Ginanneschi, G. Rapi, R. Tosi, G. Greco, D. Fruci, R. Butler, L. Massacesi. Characterization of the T cell response to lipid bound and lipid free human myelin peptides in multiple sclerosis. *Progress Report*, First Project on Multiple Sclerosis, Istituto Superiore di Sanità, Roma (Italy), November 28-29, 1996, Reports ISTISAN, 96/32, 57-58.

[OC4] A.M. Papini, M. Biondi, D. Pinzani, S. Mazzucco, M. Chelli, M. Ginanneschi, G. Rapi, B. Mazzanti, M. Vergelli, L. Massacesi, L. Amaducci. Lipoderivatives of an immunodominant epitope of myelin basic protein increased T cell responsiveness in Lewis rats. 15th American Peptide Symposium, Nashville (Tennessee, U.S.A.), June 14-19, 1997, Abstract L093, p. 2-47.

[OC5] A.M. Papini, S. Mazzucco, E. Nardi, M. Chelli, M. Ginanneschi, G. Rapi. Fmoc-2-aminopalmitic acid for the synthesis of lipopeptides with an hydrophobic chain on a C-C bond. 15th American Peptide Symposium, Nashville (Tennessee, U.S.A.), June 14-19, 1997, (Mini Symposium) Abstract MS30, p. 2-67.

[OC6] S. Mazzucco, E. Nardi, M. Chelli, A.M. Papini, M. Vergelli, B. Mazzanti, L. Massacesi. Labeled lipopeptides of myelin basic protein for the study of the molecular mechanism of multiple sclerosis. Forum Jeunes Chercheurs, Journée d'étude en chimie organique et chimie des matériaux, Université de Cergy-Pontoise (Neuville sur Oise), 25 Juin 1998, (Lecture) Abstract p. 20.

[OC7] A.M. Papini, R. Fiorese, S. Mazzucco, S. Matà, F. Lolli, M. Vergelli, M. Chelli, M. Ginanneschi, G. Rapi, B. Mazzanti, L. Massacesi, F. Pinto. Glycopeptides of hMOG(30-50) detect antibody response in multiple sclerosis and other neurological diseases. 25th European Peptide Symposium, Budapest (Hungary), August 30-September 4, 1998 (Lecture) Abstract L22, p. 91; *J. Peptide Sci.* (1998), 4, ix.

[OC8] F. Meyer, A. Laaziri, J. Uziel, A.M. Papini, S. Jugé. Nouvelle voie d'accès aux α -aminoesters β -halogénés ou phosphorés a partir d'oxazolines dérivées de la L-Sérine. Journées de Chimie Organique. Ecole Polytechnique -Palaiseau (France), 15-17 Septembre 1998.

[OC9] **A.M. Papini**, R. Fiorese, S. Mazzucco, E. Nardi, S. Matà, F. Lolli, M. Vergelli, M. Chelli, M. Ginanneschi, B. Mazzanti, L. Massacesi, F. Pinto. Asn³¹[N-Glucosyl]hMOG(30-50): a useful antigen to identify anti-MOG antibodies in multiple sclerosis patients. 10th International Congress of Immunology, New Delhi (India), November 1-6, **1998**, Interactive Workshop on Neuroimmunology and autoimmune disorders of CNS W-28.

[OC10] L. Massacesi, B. Mazzanti, M. Vergelli, **A.M. Papini**, S. Mazzucco, M. Chelli, R. Tosi, R. Butler, G. Greco, D. Fruci. Caratterizzazione della risposta linfocitaria verso peptidi e lipopeptidi della mielina umana nella sclerosi multipla. *Progress Report*, Second research project on Multiple sclerosis, Istituto Superiore di Sanità, Roma (Italy), (**1998**), Rapporti ISTISAN, 98/7, 75-76.

[OC11] **F. Lolli**, V. Zipoli, S. Matà, F. Pinto, L. Massacesi, E. Nardi, S. Mazzucco, M. Chelli, **A.M. Papini**, M. Vergelli. Intratechal synthesis of autoantibodies to a glycoderivative peptide of MOG in multiple sclerosis. X^o National A.I.N.I. Congress, Associazione Italiana Neuroimmunologia, Florence (Italy), Novembre 15-16, **1999**; Abstract A62, *J. Neuroim.* (**1999**) 31-33.

[OC12] L. Massacesi, B. Mazzanti, M. Vergelli, **A.M. Papini**, S. Mazzucco, M. Chelli, R. Tosi, R. Butler, G. Greco, D. Fruci. Characterization of lymphocyte response to human myelin peptides and lipopeptides in multiple sclerosis. Second research project on Multiple sclerosis. Second year. Istituto Superiore di Sanità, Roma (Italy), (**1999**), Rapporti ISTISAN, 99/18, 85-88.

[OC13] **F. Meyer**, H. Laaziri, J. Uziel, **A.M. Papini**, S. Jugé. Nouvelle voie d'accès aux acides α -aminés β -halogénés ou β -phosphorés à partir d'oxazolines dérivées de la sérine. Semaines d'Etude en Chimie Organique, SECO XXXVII, Houffalize (Belgique), 21-26 May, **2000**.

[OC14] **A.M. Papini**, E. Nardi, B. Mazzanti, T. Biagioli, E. Traggiati, M. Chelli, M. Ginanneschi, H. Kalbacher, L. Massacesi, M. Vergelli. Effect of lipoconjugation on MBP peptide epitopes for CD4+ T cell responsiveness. 26th European Peptide Symposium, Montpellier (France), September 11-15, **2000**, Abstract OC18, *J. Pept. Sci.*, Supplement to Vol. 6, 2000, S 63.

[OC15] **E. Nardi**, S. Matà, V. Zipoli, E. Mastrangelo, M. Chelli, **A.M. Papini**, M. Vergelli, F. Lolli. Ruolo del residuo glicosilico nel riconoscimento di autoanticorpi contro peptidi glicosilati della MOG. XI Congresso AINI (Associazione Italiana di Neuroimmunologia), Camogli (Italy), October 26-28, **2000**, Abstract C38.

2002

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2014

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2015

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2016

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2018

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2019

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[OC60] M. Kijewska, F. Nuti, M. Wierzbicka, M. Waliczek, P. Ledwoń, A. Staśkiewicz, T. Koch, F. Real-Fernandez, G. Sabatino, P. Rovero, P. Stefanowicz, Z. Szewczuk, **A.M. Papini**. The novel Boronic-ChemMatrix Resin to selectively fish out deoxyfructosylated peptides. 25th Polish Peptide Symposium, Wojanów (Poland), September 8-12, 2019. Oral Communication L27 (pag. 48)

2020

[OC61] A. Staśkiewicz, L. Macchia, F. Nuti, M. Jewgiński, M. Chorev, P. Rovero, **A.M. Papini**, R. Latajka, Design and synthesis of clicked oxytocin analogs, IV Doctoral Forum Jan Kochanowski University, Kielce, Poland. 17-19 November 2020 (online). Oral Communication

[OC62] P. Ledwoń, C. Bello, **A.M. Papini**, P. Rovero, R. Latajka. Design, synthesis and biological investigation of new peptides and peptidomimetics preventing skin damage. IV Doctoral Forum Jan Kochanowski University, Kielce, Poland. 17-19 November 2020 (online). Oral Communication

[OC63] L. Pacini, G. Sabatino, A. D'Ercole, M. Zini, A. Ribecai, A. Paio, P. Rovero, **A.M. Papini**. An optimized scalable fully automated solid-phase microwave-assisted cGMP-ready process for the preparation of Eptifibatide. III Meeting of the Italian Peptide Society, Rome, Università La Sapienza, December 12, 2020. O15

[OC64] A. D'Ercole, G. Sabatino, L. Pacini, I. Capecchi, **A.M. Papini**, P. Rovero. Microwave-assisted copper-catalysed azide-alkyne cycloaddition on solid support. An affective and easy method

to develop a new generation of “stapled” H1-Relaxin B single-chain peptides. III Meeting of the Italian Peptide Society, Rome, Università La Sapienza, December 12, 2020. O16

[OC65] F. Errante, L. Pacini, F. Real Fernandez, I.A. Vitale, **A.M. Papini**, P. Rovero. Design and synthesis of SARS-CoV-2 antigens for diagnostics and vaccinology. III Meeting of the Italian Peptide Society, Rome, Università La Sapienza, December 12, 2020. O28

[OC66] A. D'Ercole, G. Sabatino, L. Pacini, I. Capecchi, **A.M. Papini**, P. Rovero. On resin microwave-assisted copper-catalysed azide-alkyne cycloaddition to stabilize new generation of H1-Relaxin B single chain “stapled” analogues. Life Science Tuesday #6 Chemical Biology. Webinar Austrian Association of Molecular Life Sciences and Biotechnology, Vienna (Austria). December 15, 2020. Science Fash Video SF-04.

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[OC67] Quagliata, M., Real-Fernandez, F., Nuti, F., Rovero, P., Papini, AM. Cross reaction between antibodies to hyperglucosylated adhesin of non-typeable Haemophilus influenzae and N-glycosylated peptide epitopes of myelin proteins. 3rd Student Indian Peptide Symposium (sIPS), Online, March 31-April 1, 2022. Oral Communication SL-3 (pag. 1).

[OC68] Quagliata, M., Real-Fernandez, F., Nuti, F., Rovero, P., Papini, AM. N-glycosylated peptides of NogoR and OMgp proteins cross react with anti-hyperglucosylated adhesin of non-typeable Haemophilus influenzae antibodies in Multiple Sclerosis. 4th National Congress of Italian Peptide Society (ItPS), Naples (Italy), June 15, 2022. Oral Communication O13 (pag. 5).

2023

[OC69] M. Casoria; M. Macchiagodena; P. Rovero; C. Andreini; R. Arhoni; P. Procacci; A.M. Papini; G. Cardini; M. Pagliai. Bringing Immunology into the Realm of Chemistry: Structural and dynamic properties of TCR-peptide-MHC complex Scientific day dedicated to young researchers of ItPS, Florence (Italy) 23 September 2023.

[OC70] M. Quagliata; M.A. Stincarelli; A. Di Santo; L. Pacini; F. Real-Fernandez; R. Arvia; S. Rinaldi; A.M. Papini; S. Giannecchini; P. Rovero. Antiviral peptides inhibitors of protein-protein interactions against SARS-CoV-2. Scientific day dedicated to young researchers of ItPS, Florence (Italy), September 23, 2023. Oral Communication (O4).

[OC71] Pacini, L., Aguiar, L., Frankiewicz, L., Genet, F., Rovero, P., Papini, A.M. Optimization of critical parameters to obtain difficult peptide sequences using induction-heat energy on solid phase peptide synthesizer PurePep® Chorus. PiCSU2023 PhD in chemical sciences at UNIFI, Sesto Fiorentino (Italy), January 25-27, 2023. Oral Communication.

[OC72] Pacini, L., Lüdtke, S., Muthyala, M., Zitterbart, R., Sarma, D., Rovero, P., Papini, A.M. Investigation of green synthesis solvents on the PurePep® Chorus taking advantage of induction heating. Giornata Scientifica della Società Italiana Peptidi 2023. Symposium Florence (Italy) September 23, 2023. Oral presentation.

[OC70] M. Casoria; M. Macchiagodena; N. Dipace; C. Bazzicalupi; C. Andreini; G. Cardini; A. M. Papini; M. Pagliai Structural properties of N-glycosylated Proteins. VIII Congresso Nazionale della

Divisione di Chimica Teorica e Computazionale della SCI. Pisa, (Italy). Oral presentation 20-22 September 2023

[OC71] **A. Di Santo**; F. Real-Fernandez; F. Errante; G. Simonini; A.M. Papini; P. Rovero. A novel method based on Surface Plasmon Resonance for detection and quantification of Adalimumab and anti-Adalimumab antibodies in sera of treated patients. Giornata Scientifica della Società Italiana Peptidi dedicata ai Soci Giovani, Florence (Italy) September 23, 2023. Oral communication O13.

[OC72] **A. Di Santo**; F. Real-Fernandez; F. Errante; G. Simonini; A.M. Papini; P. Rovero. Surface Plasmon Resonance biosensor to detect and quantify drug and anti-drug antibodies in patients treated with the therapeutic monoclonal antibody Adalimumab. 4th Autumn Meeting for Young Chemists in Biomedical Sciences, Florence (Italy) 16-18 October, 2023, slam communication.

[OC73] **S. Aquilia**, S. Bianchi, M. Pinna, A.M. Papini, C. Bello, F.Ciardelli, L.Rosi. Development of renewable materials based on proteins and peptides from vegetable sources. 2nd PiCSU PhD Symposium 2023 - "PhD in Chemical Science at UniFi", Oral Presentation, Florence, Italy, January 25th – 27 th 2023. (<https://www.dottoratoscienzechimiche.unifi.it/vp-81-about-the-symposium.html>)

[OC74] **S. Aquilia**, S. Bianchi, M. Pinna, A.M. Papini, F.Ciardelli, C. Bello, L.Rosi. Sviluppo di materiali sostenibili a base di proteine/peptidi da sottoprodotti della colza. Bioeconomy Day – Materiali da proteine. Oral Presentation at the Workshop Online, May 25th 2023. (<https://www.youtube.com/watch?v=tBYFbUyi4Oo>).

[OC75] **S. Aquilia**, S. Bianchi, M. Pinna, L.Rosi, A.M. Papini, F.Ciardelli, C. Bello. Using rapeseed oil by-products to develop protein/peptide-based materials. Giornata Scientifica della Società Italiana Peptidi dedicata ai Soci Giovani. Florence, Italy, September 23rd 2023. Oral O6.

[OC76] **S. Aquilia**, S. Bianchi, M. Pinna, A.M. Papini, C. Bello, F.Ciardelli, L.Rosi. Valorisation of Rapeseed oil by product for the development of protein/peptide based biomaterial. Sorrento 2013 – Sorrento 2023: A decade of Peptide Materials, Sorrento (Naples), Italy October 26th-29th 2023. Oral SC3 Winner of Registration Fee grant.

[OC77] **E. Sanna**; V. Di Chiara; R. Pintus ; V. Fanos ; M.E. Street ; P. Palanza ; A.M. Papini ; S. Petza ; A. Dessì. A CASE STUDY OF THE EUROPEAN LIFE MILCH PROJECT: CORRELATION BETWEEN MATERNAL NUTRITION, BREASTFEEDING AND GROWTH . Selected Abstracts of the 19th International Workshop on Neonatology and Pediatrics. October 18-21, 2023, Cagliari (Italy). Journal of Pediatric and Neonatal Individualized Medicine (JPNIM), 12(2), e120223. <https://doi.org/10.7363/120223>. ABS 30.

[OC78] **V. Di Chiara**; E. Sanna; S. Petza; A. Dessì; M.E. Street; P. Palanza; A.M. Papini ; V. Fanos. EUROPEAN LIFE MILCH PROJECT: MATER-NAL OBESITY AND NEONATAL GROWTH, BREASTFEEDING AND NEURODEVELOPMENT. Selected Abstracts of the 19th International Workshop on Neonatology and Pediatrics. October 18-21, 2023, Cagliari (Italy). Journal of Pediatric and Neonatal Individualized Medicine (JPNIM), 12(2), e120223. <https://doi.org/10.7363/120223>.ABS 37.

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