

## Curriculum Vitae

### Dr. Stella Zevgiti

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Ioannina, Greece

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### EDUCATION

2005-2009

**Ph.D.** in *Chemistry*

Department of Chemistry, School of Sciences, University of Ioannina

Thesis title: Development of sequential oligopeptide carries for diagnostics and vaccine candidates against avian influenza virus

Supervisor: Associate Prof. Eugenia Panou-Pomonis

2002-2005

**M.Sc.** in *Clinical Biochemistry and Immunochemistry-Microbial Biotechnology*

Graduate study program Chemical and Biochemical Technologies, Department of Chemistry, School of Sciences, University of Ioannina

1997-2001

**Bachelor** in *Chemistry*

Department of Chemistry, School of Sciences, University of Ioannina

### TEACHING

2005-2006

Tutoring the undergraduate course **Laboratory of Organic Chemistry** in the Department of Chemistry, School of Sciences, University of Ioannina

2008-2009

Tutoring the undergraduate course **Laboratory of Biochemistry** in the Department of Chemistry, School of Sciences, University of Ioannina

2009-2010

Co-facilitated and lectured the undergraduate courses **Laboratory of Organic Chemistry**, **Laboratory of Inorganic Chemistry** and **Laboratory of Analytical Chemistry (Supporting the Mass Spectrometry Unit)** in the Department of Chemistry, School of Sciences, University of Ioannina

2010-2011

Co-facilitated and lectured the undergraduate courses **Laboratory of Organic Chemistry**, **Laboratory of Inorganic Chemistry** and **Laboratory of Analytical Chemistry** in the Department of Chemistry, School of Sciences, University of Ioannina

### PROFESSIONAL EXPERIENCE /RESEARCH ACTIVITY

**Research associate in Department of Primary Education, School of Education, University of Ioannina**, participating in the projects:

**June 2018 – Today:** *Comparing effectiveness of self-management interventions in 4 high priority chronic diseases in Europe* — *COMPAR-EU* (funding COMMISSION OF THE EUROPEAN COMMUNITIES, HORIZON 2020)

**March 2018 – Today:** *Optimising therapy to prevent avoidable hospital admissions in the multimorbid elderly* — *OPERAM* (funding COMMISSION OF THE EUROPEAN COMMUNITIES, HORIZON 2020)

**March 2018:** *Educational activities regarding winery* (funding Katogi Averoff S.A.)

**October 2014 – October 2015:** *Actions for culture in education: promotion and utilization of monumental architecture elements in primary education in the region of Epirus* (funding Ministry of Education and Religious Affairs, National Strategic Reference Framework, Operational Program: “Education and Lifelong Learning, co-funded by the European Union)

**November 2012 – April 2014:** *Production of educational tools for earthquake and natural disaster prevention –DEUCALION* (funding Ministry of Education and Religious Affairs, National Strategic Reference Framework, Operational Program: “Education and Lifelong Learning, co-funded by the European Union)

**Research associate in Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina**, participating in the projects:

**November 2016 – June 2017:** *Matching funds for the project IMMA 80247 for the years 2014-2016* (GSRT funding)

**November 2014- June 2015:** *Matching funds for the project IMMA 80247 for the years 2010-2013* (GSRT funding)

**June 2014 – December 2015:** *Integrating the multiple meta-analysis: a framework for evaluating and ranking multiple health care technologies – IMMA* (funding COMMISSION OF THE EUROPEAN COMMUNITIES, ERC)

**Research associate in Department Chemistry, School of Sciences, University of Ioannina**, participating in the projects:

**May 2007 – April 2009:** *Molecular factors and mechanisms of transmission and pathogenicity of highly pathogenic Avian Influenza Virus – EUROFLU* (funding COMMISSION OF THE EUROPEAN COMMUNITIES, FP6)

**October 2005 – December 2006:** EPEAEK Archimedes II – Research groups in TEI of Athens (co-funding by the European Union)

**June 2004 – October 2004, March 2005 – June 2006:** LASTOR: laser technology for sculpture conservation (funding FORTH-GSRT)

**December 2001 – September 2002:** Visiting research student at the Department of Conservation of Antiquities and Works of Art, Laboratory of Physicochemical Methods and Techniques, TEI of Athens and at the Laboratory of Physicochemical Analysis and Research, The National Gallery-Alexandros Soutsos Museum (under the supervision of Prof. Eleni Ioakimoglou)

## PUBLICATIONS

### Journal articles

1. **Zevgiti, S.**, Sakarellos, C., Sakarellos-Daitsiotis, M., Ioakimoglou, E., Panou-Pomonis, E. (2007). Collagen models as a probe in the decay of works of art: Synthesis, Conformation and Immunological studies. *Journal of Peptide Science*, 13, 121-127
2. Djordjevic, A., Veljkovic, M., Antoni, S., Sakarellos-Daitsiotis, M., Krikorian, D., **Zevgiti, S.**, Dietrich, U., Veljkovic, N., Branch, D.R. (2007). The presence of antibodies recognizing a peptide derived from the second conserved region of HIV-1 gp120 correlates with non-progressive HIV infection. *Current HIV Research*, 5(5), September, 443-448
3. Kargakis, M., **Zevgiti, S.**, Krikorian, D., Sakarellos-Daitsiotis, M., Sakarellos C., Panou-Pomonis, E., (2007). A palmitoyl-tailed Sequential Oligopeptide Carrier for engineering immunogenic conjugates. *Vaccine*, 25, 6708-6712
4. Veljkovic, M., Dopsaj, V., Stringer, W.W., Sakarellos-Daitsiotis, M., **Zevgiti, S.**, Veljkovic, V., Glisic, S., Dopsaj, M. (2010). Aerobic exercise training as a potential source of natural antibodies protective

against human immunodeficiency virus-1. *Scandinavian Journal of Medicine & Science in Sports*, 20(3), 469-474

5. Skarlas, T., **Zevgiti, S.**, Droebner, K., Panou-Pomonis, E., Planz, O., Sakarellos-Daitsiotis, M. (2011). Influenza virus H5N1 haemagglutinin (HA) T cell epitope conjugates: Design, Synthesis and Immunogenicity. *Journal of Peptide Science*, 17, 226-232
6. **Zevgiti, S.**, Zabala, J.G., Darji, A., Dietrich, U., Panou-Pomonis, E., Sakarellos-Daitsiotis, M. (2012). Sialic acid and sialyl-lactose glyco-conjugates: design, synthesis and binding assays to lectins and swine influenza H1N1 virus. *Journal of Peptide Science*, 18, 52-58

### Book chapters

1. Krikorian, D, **Zevgiti, S.**, Skarlas, T., Dimtsoudi, D., Papas, S., Panou-Pomonis, E., Tsikaris, V., Sakarellos-Daitsiotis, M., Sakarellos, C. (2010). Artificial carriers as a tool for engineering reconstituted protein mimics in *Essays on Contemporary Peptide Science (Paul Cordopatis, Ed.)*, Transworld Research Network, Chapter 8

### Conference proceedings

1. **Zevgiti, S.**, Panou, E., Sakarellos-Daitsiotis, M., Ioakimoglou, E., Sakarellos, C. (2004). Synthesis, Conformational and Immunological studies of collagen models: applications in works of art in 4<sup>th</sup> *Hellenic Forum on Bioactive Peptides (P.A. Cordopatis, E. Manessi-Zoupa and G.N. Pairas Eds.)*, TYPORAMA-Tachytypo Ltd, Patras, Greece, pp.331-335
2. **Zevgiti, S.**, Panou, E., Sakarellos, C., Sakarellos-Daitsiotis, M., Ioakimoglou, E. (2004). Collagen models: Synthesis, conformational studies and applications in works of art in *Peptides 2004 (Flegel, M., Fridkin, M., Gilon, C., Slaninova, J., Eds.)*, pp.936-937
3. Krikorian, D., **Zevgiti, S.**, Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. (2006). Development of an immunoassay for the detection of natural anti-NTM/VIP antibodies of HIV-1 in 5<sup>th</sup> *Hellenic Forum on Bioactive Peptides (P.A. Cordopatis, E. Manessi-Zoupa and G.N. Pairas Eds.)*, TYPORAMA-Tachytypo Ltd, Patras, Greece, pp.217-222
4. **Zevgiti, S.**, Krikorian, D., Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. (2006). Development of diagnostics and vaccine candidates for the highly pathogenic H5N1 influenza virus in *Peptides 2006 (Rolka, K., Rekowski, P., Silberring, J., Eds.)*, pp.44-45
5. Krikorian, D., **Zevgiti, S.**, Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. (2006). Development of a diagnostic immunoassay for the detection of natural anti-NTM/VIP antibodies of HIV-1 in *Peptides 2006 (Rolka, K., Rekowski, P., Silberring, J., Eds.)*, pp.50-51
6. **Zevgiti, S.**, Krikorian, D., Panou-Pomonis, E., Haarmann, T., Dietrich, U., Sakarellos-Daitsiotis, M. (2008). SOC<sub>4</sub>-sialyl saccharide conjugates as mimetics of the hemagglutinin-binding receptor and as vaccine candidates against Avian Influenza Virus infection in 6<sup>th</sup> *Hellenic Forum on Bioactive Peptides, Patras, Greece*
7. Ioakimoglou, E., Kavalieratou, E., Kouloumpi, E., **Zevgiti, S.**, Stoupathis, K. (2008). Identification of proteinaceous binding media from Post-Byzantine mural paintings with chromatographic techniques in *Proceedings of the 4<sup>th</sup> symposium of the Hellenic Society of Archaeometry, National Hellenic research Foundation, Athens, 28-31 May 2003 (Y. Facorellis, N. Zacharias, K. Polikreti, Eds.)*, BAR International Series 1746, Archaeopress, pp. 579-586
8. **Zevgiti, S.**, Panou-Pomonis, E., Ioakimoglou, E., Sakarellos-Daitsiotis, M. (2010). An immunological technique as a tool for the evaluation of the decay of works of art: The case of Saint Nicolas in Vitsa-Zagori in *Proceedings of the symposium "Works of Art & Conservation Science Today", Thessaloniki, Greece*

### Journal abstracts

1. **Zevgiti, S.**, Panou, E., Sakarellos-Daitsiotis, M., Ioakimoglou, E., Sakarellos, C. Synthesis, Conformational and Immunological studies of collagen models: applications in works of art. *J. Peptide Sci.*, 2004, Vol 10, Is S1, p H58

2. **Zevgiti, S.**, Panou, E., Sakarellos, C., Sakarellos-Daitsiotis, M., Ioakimoglou, E. Collagen models: Synthesis, conformational studies and applications in works of art. *J. Peptide Sci.*, 2004, Vol 10, Is S2, p 260
3. **Zevgiti, S.**, Krikorian, D., Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. Development of diagnostics and vaccine candidates for the highly pathogenic H5N1 influenza virus. *J. Peptide Sci.*, 2006, Vol 12, Is S1, p 585
4. Krikorian, D., **Zevgiti, S.**, Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. Development of a diagnostic immunoassay for the detection of natural anti-NTM/VIP antibodies of HIV-1. *J. Peptide Sci.*, 2006, Vol 12, Is S1, p 603
5. Sakarellos-Daitsiotis, M., **Zevgiti, S.**, Zabala, JG., Darji, A., Dietrich, U., Panou-Pomonis, E. Design, synthesis and binding assays of sialic acid and sialyl-saccharide conjugates to lectins and influenza H1N1 virus. *J. Peptide Sci.*, 2012, Vol 18, Is S1, p S52 (Oral Abstracts)
6. Fotou, E., Kostoula, I., **Zevgiti, S.**, Panou-Pomonis, E., Panagiaris, G., Sakarellos-Daitsiotis, M. Keratin and Collagen models as a tool in the deterioration of works of art. *J. Peptide Sci.*, 2012, Vol 18, Is S1, p S197 (Posters)
7. Fotou, E., **Zevgiti, S.**, Moussis, V., Panou-Pomonis, E., Panagiaris, G., Sakarellos-Daitsiotis, M. Keratin and collagen models as a means for assessing the deterioration of organic materials of cultural heritage. *J. Peptide Sci.*, 2014, Vol 20, Is S1, p S136 (Posters)

## PRESENTATIONS

### INTERNATIONAL

#### Oral presentations

1. Krikorian, D., **Zevgiti, S.**, Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. Development of an immunoassay for the detection of natural anti-NTM/VIP antibodies of HIV-1. 5<sup>th</sup> *Hellenic Forum on Bioactive Peptides*, May 14-16, 2006, Patra, Greece (presented by Krikorian D.)

#### Poster presentations

1. **Zevgiti, S.**, Panou, E., Sakarellos-Daitsiotis, M., Ioakimoglou, E., Sakarellos, C. Synthesis, Conformational and Immunological studies of collagen models: applications in works of art. 4<sup>th</sup> *Hellenic Forum on Bioactive Peptides*, April 22-24, 2004, Patra, Greece
2. **Zevgiti, S.**, Panou, E., Sakarellos, C., Sakarellos-Daitsiotis, M., Ioakimoglou, E. Collagen models: Synthesis, conformational studies and applications in works of art. 3<sup>rd</sup> *International and 28<sup>th</sup> European Peptide Symposium*, September 5-10, 2004, Prague, Czech Republic
3. **Zevgiti, S.**, Krikorian, D., Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. Design of diagnostics and vaccine candidates for the highly pathogenic H5N1 influenza virus. 5<sup>th</sup> *Hellenic Forum on Bioactive Peptides*, May 14-16, 2006, Patra, Greece
4. **Zevgiti, S.**, Krikorian, D., Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. Development of diagnostics and vaccine candidates for the highly pathogenic H5N1 influenza virus. 29<sup>th</sup> *European Peptide Symposium*, September 3-8, 2006, Gdnask, Poland
5. Krikorian, D., **Zevgiti, S.**, Veljkovic, V., Sakarellos-Daitsiotis, M., Sakarellos, C. Development of a diagnostic immunoassay for the detection of natural anti-NTM/VIP antibodies of HIV-1. 29<sup>th</sup> *European Peptide Symposium*, September 3-8, 2006, Gdnask, Poland
6. **Zevgiti, S.**, Panou-Pomonis, E., Sakarellos, C., Ioakimoglou, E., Sakarellos-Daitsiotis, M. Chromatographic and immunochemical techniques as a probe in evaluating the extent of decay of collagen-based works of art. *ICOM CONSERVATION COMMITTEE, International Meeting of the Special Interest Icons Group-Icons: Approaches to Research, Conservation and Ethical Issues, BENAKI MUSEUM-Pireos Street Annexe, Athens, 3-7 December 2006*
7. **Zevgiti, S.**, Krikorian, D., Panou-Pomonis, E., Haarmann, T., Dietrich, U., Sakarellos-Daitsiotis, M. SOC<sub>4</sub>-sialyl saccharide conjugates as mimetics of the hemagglutinin-binding receptor and as vaccine

candidates against Avian Influenza Virus infection. *6<sup>th</sup> Hellenic Forum on Bioactive Peptides, May 18-20, 2008, Patra, Greece*

8. Skarlas, T., **Zevgiti, S.**, Panou-Pomonis, E., Droebner, K., Planz, O., Sakarellos-Daitsiotis, M. Ligation of T cell epitopes of hemagglutinin of Avian Influenza Virus H5N1 to an artificial carrier via oxime formation for immunization experiments. *6<sup>th</sup> Hellenic Forum on Bioactive Peptides, May 18-20, 2008, Patra, Greece*
9. **Zevgiti, S.**, Krikorian, D., Panou-Pomonis, E., Haarmann, T., Dietrich, U., Sakarellos-Daitsiotis, M. SOC<sub>4</sub>-sialyl saccharide conjugates as mimetics of the hemagglutinin-binding receptor and as vaccine candidates against Avian Influenza Virus infection. *1<sup>st</sup> Joint Bird Flu Meeting, February 2-4, 2009, Barcelona, Spain*
10. Skarlas, T., **Zevgiti, S.**, Panou-Pomonis, E., Droebner, K., Planz, O., Sakarellos-Daitsiotis, M. Ligation of T cell epitopes of hemagglutinin of Avian Influenza Virus H5N1 to an artificial carrier via oxime formation for immunization experiments. *1<sup>st</sup> Joint Bird Flu Meeting, February 2-4, 2009, Barcelona, Spain*
11. **Zevgiti, S.**, Panou-Pomonis, E., Ioakimoglou, E., Sakarellos-Daitsiotis, M. An immunological technique as a tool for the evaluation of the decay of works of art: The case of Saint Nicolas in Vitsa-Zagori. *Works of Art & Conservation Science Today, November 26-28, 2010, Thessaloniki, Greece*

## NATIONAL

### Oral presentations

1. Identification of proteinaceous binding media from Post-Byzantine mural paintings with chromatographic techniques. Ioakimoglou E., Kavalieratou, E., **Zevgiti, S.**, Stoupathis, K., Kouloumpi, E. 4th symposium of the Hellenic Society of Archaeometry, National Hellenic research Foundation, May 28-31, 2003, Athens, Greece (presented by Ioakimoglou E.)
2. Sakarellos-Daitsiotis, M., Krikorian, D., **Zevgiti, S.**, Veljkovic, V., Sakarellos, C. A new carrier of antigenic epitopes for diagnostics and vaccine development: applications to HIV-1 and H5N1 Avian Influenza Virus. 8<sup>th</sup> Hellenic Virology Conference, May 12-14, 2006, Thessaloniki, Greece (presented by Sakarellos-Daitsiotis, M.)

### Poster presentations

1. Fotou, E., Zevgiti, S., Tsiligianni, A., Panou-Pomonis, E., Panagiaris, G., Sakarellos-Daitsiotis, M. Keratin and Collagen polypeptide models for studying the deterioration of works of art. Conference of graduate study program of the Department of Chemistry, March 28-30, 2013, University of Ioannina, Ioannina, Greece.
2. Fotou, E., Zevgiti, S., Tsiligianni, A., Panou-Pomonis, E., Papadopoulos, Ch., Panagiaris, G., Sakarellos-Daitsiotis, M. Keratin and collagen models as a means for assessing the deterioration of cultural heritage. 15<sup>th</sup> Conference of Medicinal Chemistry, April 9-11, 2014, Patras, Greece

## FELLOWSHIP

March 2004 – June 2004: Revised Graduate study program of the Department of Chemistry, University of Ioannina, co-funded by The Third Community Support Framework 2000-2006 (CSF III), under the Operational Programme for Education and Initial Vocational Training II

## COMPUTER SKILLS

Considerable experience in Microsoft Office

Some experience in R, STATA, SPSS

Certificates: ECDL Core Certificate (17/11/2007)

## LANGUAGES

Mother tongue: Greek

Proficient in English: Certificate of Proficiency in English, University of Michigan (March 2006)