

C.V.

Dr. Stefania Kapsetaki

Arizona State University, Biodesign Institute
Arizona Cancer & Evolution Center
Tempe, AZ 85281
skapseta@asu.edu
<https://stkapsetaki.wixsite.com/-mou>

PROFESSIONAL EXPERIENCE

Postdoctoral Research Fellow - Cancer across species, chimerism, nutrition, microbiome
(2019-Present), Arizona State University, Arizona Cancer & Evolution Centre. Advisors: Professor Carlo Maley, Professor Athena Aktipis, Professor Elizabeth Murchison.

EDUCATION

Doctorate of Philosophy - Social evolution and multicellularity
(2015-19) University of Oxford, Department of Biology, New College.
Supervisor: Professor Stuart West
Thesis: *Multicellular group formation in algae*

Master's of Science - Social evolution and multicellularity
(2013-15) University of Oxford, Department of Biology, St Hughs College.
Supervisor: Professor Stuart West
Thesis: *Predation and the evolution of multicellularity*

Bachelor's of Science - Biology
Grade: 9.22/10. Highest grade (1st) among 174 graduates from the School of Sciences and Engineering (5 departments in total: Department of Mathematics and Applied Mathematics, Department of Physics, Department of Biology, Department of Chemistry, Department of Computer Science, and Department of Material Science) thus having the honour of reciting the oath at the graduation ceremony.
(2009-13) University of Crete, Department of Biology.
Supervisor: Professor Yiorgos Apidianakis.
Thesis: *Assessing the antibiotics Carbenicillin, Ciprofloxacin, Ticarcillin and Kanamycin on the model organism Drosophila melanogaster for combinatorial antimicrobial effect against the bacterium Pseudomonas aeruginosa*, Thesis grade: 10/10
(First-generation university graduate)

Diploma in Piano Performance (Greek system equivalent to Bachelor's in Piano Performance) - Distinction and First Prize
(1999-2008), Minoan Conservatory of Music, Crete, Greece.

PROFESSIONAL MEMBERSHIPS

12. **Member of the Canadian Society for Ecology and Evolution (CSEE), 2021-22**

C.V.

Dr. Stefania Kapsetaki

11. Selected member of the **Oxford Climate Society Translations Team**, involved in translating English climate sciences articles to Greek, thus spreading the importance of climate science to millions of Greek speakers around the world, 2021
10. **Member** of the International Society for Evolution, Medicine, and Public Health (ISEMPH), 2021
9. **Member of Zooniverse** (the world's largest platform for people-powered research), volunteering in the identification of galaxies, 2021
8. **Member of NPR Scicommers**, 2020-21
7. **Member of the Arizona Cancer & Evolution Center (ACE) Outreach team**, organising and participating in outreach events in museums, 2019-21
6. **Member of ISEEC**, International Society for Evolution, Ecology and Cancer, 2019
5. **Member of the American Society of Naturalists (ASN)**, 2016
4. **Member of the Pancretan Children's Cancer Association -"Ilihtida"** (including a voluntary performance in the Heraklion Music Festival), 2012
3. **Member of the Cretan Animal Protection Welfare Association "Zoophili Drasi"**
2. **Member of the Environmental Protection group** of the Municipality of Hersonissos
1. **Member of the Heraklion Arts Council Theatre group**

PUBLICATIONS

(excluding abstracts in conferences/workshops)

ResearchGate: https://www.researchgate.net/profile/Steffi_Kapsetaki

GoogleScholar: <https://scholar.google.com/citations?user=Jp5vnH8AAAAJ&hl=en>

Corresponding author

Co-first authors*

(in prep) **Kapsetaki S.E.**, Chavez D., Compton Z., Rupp S.M., Ramirez L., Wright N., Seyedi S., Boddy A.M., Harrison T.M., Aktipis A.C , Maley C.C. **Homozygosity and cancer prevalence across species.** (approx. a few months to submission)

(in prep) **Kapsetaki S.E.***, Basile A.*, Compton Z., Rupp S.M., Garner M.M., Duke E.G., Boddy A.M., Harrison T.M., Aktipis A.C , Maley C.C. **Glucose levels and cancer prevalence across the tree of life.** (approx. a few months to submission)

(in prep) Compton Z.*, **Kapsetaki S.E.***, Harris V.K., Dolan J., Rupp S.M., Garner M.M., Duke E.G., Boddy A.M., Harrison T.M., Aktipis A.C , Maley C.C. **Life history traits and cancer incidence in birds.** (approx. a few weeks to submission)

Dr. Stefania Kapsetaki

(in prep) Seyedi S., Harris V., Narayanan S., Saha D., Compton Z., Rupp S.M., **Kapsetaki S.E.**, Boddy A.M., Harrison T.M., Aktipis A.C , Maley C.C. **Resistance management for cancer: lessons from farmers** (approx. a few weeks to submission)

(in prep) **Kapsetaki S.E.**, Compton Z., Rupp S.M., Garner M.M., Duke E.G., Boddy A.M., Harrison T.M., Aktipis A.C , Maley C.C. **The ecology of cancer prevalence across species: Cancer prevalence is highest in desert species and high trophic levels.** (approx. a few weeks to submission)

(in prep) **Kapsetaki S.E.**, Fortunato A., Compton Z., Rupp S.M., Garner M.M., Duke E.G., Boddy A.M., Harrison T.M., Maley C.C., Aktipis A.C. **Is chimerism linked with cancer across the tree of life?** (approx. a few weeks to submission)

(submitted) **Kapsetaki S.E.***, Marquez Alcaraz G.*, Whisner C.M., Maley C., Aktipis A.C. **Diet, microbes, and cancer across the tree of life: a systematic review.** *BMC Infectious Agents and Cancer*

Peer-reviewed

7. **Kapsetaki S.E.**, Fisher R. Chapter 10: “**Hypotheses for the evolution of clonal multicellularity**”. In the book “The evolution of multicellularity”. *Taylor and Francis Publishing.* (2022)
<https://www.routledge.com/The-Evolution-of-Multicellularity/Herron-Conlin-Ratcliff/p/book/9780367356965>

6. **Kapsetaki S.E.**, West S.A. **The costs and benefits of multicellular group formation in algae.** *Evolution.* 73.6 (2019): 1296-1308.
(media: <https://onlinelibrary.wiley.com/doi/full/10.1111/evo.13750>)

5. **Kapsetaki S.E.**, Fisher R.M., West S.A. **Green blobs and predatory beasts: clues to multicellularity?** *Frontiers for Young Minds.* 7:20. (2019) doi: 10.3389/frym.2019.00020.

4. **Kapsetaki S.E.**, Tep A., West S.A. **How do algae form multicellular groups?** *Evolutionary Ecology Research.* 18.6 (2017): 663-675.
(media: <http://www.cretalive.gr/culture/moysikoi-kai-episthmones-oi-didymes-kapsetakh>,
<https://rethemnos.gr/me-diethnes-diakrisis-stin-mousiki-ke-stin-epistimi-synechizoun-i-didymes-kapsetaki-apo-tin-kriti/>, <http://flashnews.gr/post/333052/oi-didymes-apthn-krhth-poy-sarwnoyn-se-diakriseis-kai-brabeia>, <https://www.aera.gr/crete-news/47578-oi-didymes-apthn-krhth-poy-sarwnoyn-se-diakriseis-kai-brabeia.html>, <https://www.patris.gr/2017/11/21/1o-pagkosmio-vravio-gia-ti-marianna/>, <http://www.cretanmagazine.gr/1o-pagkosmio-vravio-gia-ti-irakliotissa-marianna/?utm>,
<http://www.ereportaz.gr/pagkosmia-diakrisi-gia-tis-didymes-irakliotisses-kapsetaki/>,
<http://www.cretewoman.gr/el/9986/.php>)

3. **Kapsetaki S.E.**, Fisher R.M., West S.A. **Predation and the formation of multicellular groups in algae.** *Evolutionary Ecology Research.* 17.5 (2016): 651-669. (media: <http://www.4-traders.com/news/New-Evolutionary-Ecology-Data-Have-Been-Reported-by-Investigators-at-University-of-Oxford-Predation--23420759/>)

2. **Kapsetaki S.E.***, Tzelepis I.*, Livadaras I., Garantonakis N., Varikou K., **Apidianakis Y.** **The bacterial metabolite 2-aminoacetophenone promotes association of pathogenic bacteria with flies.** *Nature Communications* 5.1 (2014): 1-7.

C.V.

Dr. Stefania Kapsetaki

(media: <http://www.sigmalive.com/lifestyle/health/146502>, <http://www.mywaypress.gr/κύπρος-σημαντικές-εξελίξεις-στον-τομ/>, <http://spotlight.studentlife.com.cy/2014/07/23/ucy-simantikes-ekselikseis-ston-tomea-twn-enterikwn-mikroviwn-apo-erevnites-biologikwn-epistimwn/>, <http://www.politis-news.com/cgi-bin/hweb?-A=270090&-V=articles>, <http://www.philenews.com/el-gr/eidiseis-perivallon/51/210875/simantiki-meleti-gia-ta-enterika-mikrovia-apo-to-panepistimio-kyprou>, https://www.ucy.ac.cy/pr/documents/Press_Releases/2014/Pseudomonas_aeruginosa.pdf)

1. Tzelepis I., **Kapsetaki S.E.**, Panayidou S., Apidianakis Y. *Drosophila melanogaster: a first step and a stepping-stone to anti-infectives.* *Current Opinion in Pharmacology*, (2013) 13:1–6.

PENDING GRANTS/FUNDING

1. **Sylvia Lane Mentor Fellowship**, \$2,500, Collaboration between Stefania Kapsetaki & Barbara Natterson-Horowitz to study cardiovascular and reproductive disease ecology across species, July-December 2022.

SERVICE

Institutional service

Arizona State University

- **Interviewer** for the “C-word podcast”, talking with cancer biologists about the perception of cancer across cultures and lifestyle, among European countries and beyond, pollution, smoking, and cancer, 2021
- **Volunteer** at the Arizona State University **Open Doors** event, explaining cancer and social evolution across species to the general public, 2020

University of Oxford

- **Contributed in creating an outreach game** – Symbiosis Card game for Biology undergraduates, funded by ESEB, 2018
- Selected to participate as a presenter in a video created by the University of Oxford for the **International Day for Girls & Women in Science**, 2018
- Responsible for **organizing the weekly Theoretical and Experimental Evolutionary Biology (TEEB) lab meetings**, Department of Zoology, University of Oxford, 2015-18
- **Founder of the idea & Co-organiser of the first online student journal of the Department of Zoology**, Oxford, 2017-18
- **Co-supervised** the start-up of the new journal of the Oxford Climate Society (OUS) (transferred management, sponsorship, and organisational skills to the upcoming editors-in-chief), 2017

Professional service

- **Invited Research Track Judge** at the Terris Challenge, <https://www.terrishallenge.info/competition.html>, a 2-week long international STEM

C.V.

Dr. Stefania Kapsetaki

challenge, assessing the projects and pitches of over 250 **international** students from 15+ countries, aged 13-18, and deciding the winners in the winning categories. 2021

- **Reviewer for 7 international academic journals:** *The Open Ecology Journal*, *Limnology & Oceanography*, *International Journal of Ecology and Ecosolution*, *Journal of Fisheries Science*, *Springer Nature Hydrobiologia*, *Evolutionary Applications*, *American Journal of Human Biology*, 2017-21
- **Editor-in-Chief, Section Editor, Science & Society Editor, Page Editor and interviewer of the Journal *Phenotype*** (The Science Journal of Oxford University Society for Biochemistry) <http://www.phenotype.org.uk>, 2014-18
- **Contributed** in other publications

I contributed to the projects below (as mentioned in the acknowledgements sections) by reviewing/commenting during or in the final versions of these manuscripts before publication.

The Symphony of Joy. Kedros editions. By Yovanna Fassou Kalpaxi. 2020. (in Greek)

Fisher, R.M., Shik, J.Z. and Boomsma, J.J. The evolution of multicellular complexity: the role of relatedness and environmental constraints. *Proceedings of the Royal Society B*, 287(1931), 2020, p.20192963.

Aktipis, A.. *The Cheating Cell: How Evolution Helps Us Understand and Treat Cancer*. 2020. Princeton University Press.

Fisher, R.M., Regenberg, B.. Multicellular group formation in *Saccharomyces cerevisiae*. *Proceedings of the Royal Society B*, 286(1910), 2019, p.20191098.

Cooper, G.A., West, S.A., Defensive Group Formation and the Evolution of Multicellularity. *Division of labour and the evolution of complex social groups* (PhD dissertation, 2018, University of Oxford)

Fisher, R.M., Bell, T. and West, S.A.. Multicellular group formation in response to predators in the alga *Chlorella vulgaris*. *Journal of evolutionary biology*, 29(3), 2016, pp.551-559.

Biernaskie, Jay M., and Stuart A. West. "Cooperation, clumping and the evolution of multicellularity." *Proceedings of the Royal Society B: Biological Sciences* 282, 2015, no. 1813: 20151075.

West, S.A., Fisher, R.M., Gardner, A. and Kiers, E.T.. Major evolutionary transitions in individuality. *Proceedings of the National Academy of Sciences*, 112(33), 2015, pp.10112-10119.

Fisher, R.. *The major transitions in evolution* (PhD dissertation, 2015 University of Oxford).

Community service

- **Co-founder** of the Aegean Arts & Science International Festival (<http://aegeanartsfestival.wixsite.com/aafa>), 2014-2018

C.V.

Dr. Stefania Kapsetaki

- Curiosity Box, **Scientific article of my research for children** http://zoo-web02.zoo.ox.ac.uk/group/west/PDF-media/CuriosityBox_2018.pdf, 2018
- Noticed & tracked on camera several events of sewage entering river Thames near my College, informed Oxford's Climate Society and the University's Environmental Sustainability Estates Services, that further investigated this and realised it was a major incident, 2017
- Invited as **Principal organiser representing the University of Oxford**, displaying the major evolutionary transitions & social evolution through interactive games and experiments with algae, **Cheltenham Science Festival**, 2017 & 2018
- Successfully presented the Evolutionary Transition to Multicellularity and prepared clumps of algae and predators in an **"Outreach Science Event"** which I helped organize with Prof Ashleigh Griffin at **Cherwell High School**, Oxford, 2017

TEACHING EXPERIENCE

14. **Junior Academy Mentor** for the Global STEM Alliance, **New York Academy of Sciences** (2021-22).

13. **Lecturer** for **"Lecturers without Borders"**, (2020-21), a network of scientists who volunteer to give lectures in schools around the world, <https://lewibo.org/scientists>. I gave a science talk to high school students in the **Moscow** area, Russia.

12. **Demonstrator** at the Darwin Day Roadshow (2021), organised by **Duke University, ClubEvMed**, spreading science to many schools including schools of 98-99% African American population experiencing financial hardship and violence in their neighbourhoods.

11. **STEM Mentor** for the **New York Academy of Sciences, "1000 Girls, 1000 Futures Mentors"** programme promoting STEM to the next generation of leaders. (2020-21) Selected among many applicants. A free program that connects motivated, enthusiastic female mentors with smart, STEM-focused high school girls, offering them access to real-life role models, as well as innovative programming aimed at helping them to develop essential 21st century skills, <https://www.dropbox.com/s/ang1z05cmise3ku/Stefania%20Kapsetaki%201000G%20Mentor%20Certificate.pdf?dl=0>.

10. **Teacher at Skype a Scientist**, (2020-21), I have spread science to high-school students and teachers, including students with mild learning disabilities, behavior issues, autism, ADHD, in New Mexico, Philadelphia, Addison Illinois, Jonas Bronck Academy in Briarcliff, Ocean Schools, and Ohio "Springfield Local Schools gifted program".

9. **Mentor & Mentee**, (2020), Microbiology, Ecology & Evolution, MEEvirtual meeting.

8. **Teaching certificate**: DBS Enhanced (from 16th April 2019)

C.V.

Dr. Stefania Kapsetaki

7. **Online tutor, at MyTutor, Preply, Ivy Education, TutorHouse, Teacheron, Spires Tutors, MeetATutor, Limin Ltd** (2018-19), teaching Organic Chemistry, Biochemistry, Molecular Biology, Conservation Science, and Environmental Science (22 hours of tutoring)
6. **Tutor, University of Oxford** (2016-18), teaching evolution, social evolution, and major evolutionary transitions. I taught 27 undergraduates in 1:1 or 2:1 sessions.
5. **Invigilator, University of Oxford** (2017-18), New College, invigilating undergraduate exams
4. **Course demonstrator, University of Oxford** (2017), “Tree of Life” undergraduate course run by Sebastian Shimeld. I was involved in demonstrating DNA extractions, PCR reactions, gel electrophoresis & sequencing.
3. **Course demonstrator, University of Oxford** (2016-17), “Organisms-Invertebrate Practicals” undergraduate course run by Jonathan Green. I was involved in demonstrating, dissections & marking.
2. **Course demonstrator, University of Oxford** (2015), “Experimental Evolution Practical” undergraduate course run by William Durham.
1. **Teaching certificate:** (2015) Preparation for Learning and Teaching (PLT) qualification certified by **Oxford Learning Institute** (OLI) and the Centre for Excellence in Teaching and Learning (CETL).

Project supervision

9. **Co-supervisor** of 5 undergraduate and graduate students at **Arizona State University**: Leila, Zach, Sareh, Lucia, Gissel, in two different cancer, population genetics, & microbiome projects. (January 2021-Present)
Gissel won a NCI Diversity Award (October 2021-2023) to perform research on diet, the microbiome, and cancer across species. Stefania Kapsetaki was a co-author of this grant and a co-supervisor of Gissel.
8. **Co-supervisor** of 2 undergraduate students at **Arizona State University**: Nadia and Eva in a population genetics project (June 2021-Present)
7. **Co-supervisor** of an undergraduate student at **Arizona State University**: Nilo in a population genetics project (September-October 2021)
6. **Co-supervisor** of an undergraduate student at **Arizona State University**, Tarini: working on the homozygosity project (6 months) (2021)
5. **Co-supervisor** of 2 undergraduate students at **Arizona State University**: Morgan and Syed, homozygosity project (6 months) (2021)
4. **Co-supervisor** of 3 undergraduate students at **Arizona State University** (on chimerism) (2 weeks) (Zaid Nour, Skye Riggs-Davis, & Dylan Stephenson), 2020

C.V.

Dr. Stefania Kapsetaki

3. **Associate Supervisor** of 2nd year undergraduate student of the **University of Oxford** (in social evolution) (8 months) (Alexander Tep) Project title: How do groups of algae form?
Alex was awarded a 1st for this project at his Oxford Exams, 2016
2. **Associate Supervisor** of 2nd year undergraduate student of the **University of Oxford** (Bethaney Wilberforce) (3 months). Project title: Predation and colony formation in algae, 2015
1. **Associate Supervisor** of 2nd year undergraduate student of **Oxford** (in social evolution) (Hannah Zainuddin) (3 months), 2014

HONOURS AND AWARDS

56. My science **artwork** was selected at the 2021 **ASU Employee Health Art Contest**, to be displayed at the ASU Employee Health Medical Office **from November 2nd 2021 to November 30th 2022**.
55. **Honorary Award** from the Rotary Society “El Greco”, for overall service to the sciences and the musical arts, Heraklion, Crete, 2021.
54. **Knowledge Mobilization Award Finalist (top 3 among 116 applicants)** (2021) Postdoctoral scholar: Research in progress. Applicants across 28 academic units and 70 different research programmes, Arizona State University https://m.youtube.com/watch?v=gTIsH_mhqII
53. **Finalist for “The Science Breakthrough of the Year”** - Life Sciences Category, World Science Summit 2020, Falling Walls and Berlin Science Week, for the project on cancer across the tree of life (in the **final 53 from over 900 nominations** across 111 countries)
52. **Poster Award**, for my presentation *Is chimerism associated with cancer across the tree of life?*, at the National Cancer Institute 2020 Junior Investigator Meeting for the Cancer Systems Biology Consortium (CSBC), Physical Sciences-Oncology Network (PS-ON), and Big Data Scientist Training Enhancement Program (BD-STEP).....cash prize \$100
51. **Knowledge Mobilization Award Finalist (top 3 among 144 applicants)**, (2020) Postdoctoral scholar: Research in progress. Applicants across 14 different colleges and 60 different research programmes, Arizona State University
50. **Emerging Artist Scholarship** (2020) to exhibit my artwork at the Oro Valley Spring Festival of the Arts, Southern Arizona Arts and Cultural Alliance
49. **STEM champion** (2019) Schools Curiosity Box, Oxford
<https://stemday.co.uk/champions/stefania-kapsetaki/?fbclid=IwAR1cBGQY-2nwnf1o7Jvg9EYLZb9StDilePUyCbecgYPkcwtfEygBnoUH88k>
48. **Special Mention Award** (2019) International “SIU Art in Science Competition - Do you see what I see?”, (**top 11 among 75 applicants**), Oxford
47. **Honorary Certificate** (2019) 1st National Poetry Competition “Kefalos”, Greece

C.V.

Dr. Stefania Kapsetaki

46. **Alexander S. Onassis Scholarship** (2015-19) for PhD studies in Zoology at Oxford.....£41,900
45. **Leventis Foundation Scholarship** (2015-18) for PhD studies in Zoology at Oxford.....£16,500
44. **Honorary Participation Certificate** (2018), National Poetry Competition “Dimophelia”, Greece
43. **Travel Bursary** (2018) from the course organizing committee to present my research at the Evolutionary Biology and Ecology of Cancer course, Cambridge UK.....£220
42. **New College Student Support Fund** (2018), Oxford.....£800
41. **New College Travel Grant** (2018), Oxford, to present my research at the Evolutionary Biology and Ecology of Cancer course, Cambridge UK.....£100-500
40. **1st prize** in the Stratford Music Competition (2018), “Romantic Class” Piano Solo, London
39. **Distinction** in Performance (2017), International Piano Competition “Around the Globe”, London
38. **Qualification** (out of 400 participants) (2017) to the **final round** of the **International Poetry Competition** in Delfi, Greece
37. **New College Travel Grant** (2017), Oxford, to present my research the ESEB International Conference in Groningen.....£500
36. **Honorary Diploma**, eMuse International Music Competition (2017), Piano Category E
35. **3rd prize**, Women’s Cuppers Table Tennis Intercollegiate Championship (2017), University of Oxford, UK
34. **Cuppers Champion** 2015-16, (position: midfield/attack), New College Women’s Football Team, Oxford 2015-17
33. **New College Sporting and Cultural Development Award**, University of Oxford 2017, (**twice**)
32. **New College Sporting and Cultural Development Award**, University of Oxford, 2016, (**3 times**)
31. **New College Sporting and Cultural Development Award**, University of Oxford, 2015, (**3 times**)
30. **New College Travel Grant** (2016), to present a poster at the Royal Society Event “Into the world of Algal Genomics”, Buckinghamshire.....£100-500

C.V.

Dr. Stefania Kapsetaki

29. **New College Travel Grant** (2015), Oxford, to present my research at the ESEB International Conference in Lausanne & Guarda International workshop in evolutionary biology, Switzerland.....£500
28. **Runner-up for Best Student Poster** (2015), Department of Zoology, Graduate Induction Day, University of Oxford
27. **Bodossaki Foundation Scholarship** (2015) for PhD studies in Zoology at Oxford.....13,725€
26. **Runner-up for Best Student Talk** (2014), Department of Zoology, Graduate Induction Day, University of Oxford
25. **Born Free Foundation Fundraising Certificate** (having collected money towards this foundation from our piano recital at St Michaels Church, Oxford) (2014)
24. **University of Oxford Studentship** for PhD studies in Oncology (2014) at Oxford (declined due to PhD offer in Zoology)
23. **Hellenic State Scholarship Foundation – ESPA** (2013-15), in **8th place among 98 applicants**, for MSc studies in Zoology at the University of Oxford.....35,180€
22. **Bodossaki Foundation Scholarship** (2013), for MSc studies in Zoology at Oxford.....9,150€
21. **Lilian Voudouri Foundation Scholarship** (2013), for MSc studies in Zoology at Oxford (chosen amongst 120 undergraduate applicants with a BSc degree above 8.5/10) (declined due to Hellenic State Scholarship Foundation -ESPA & Bodossaki scholarships).....18,000€
20. **1st prize-piano solo & Gold Medal** (2013), 1st National Piano Competition Larissa, Greece.....1,000€
19. **Hellenic State Foundation Excellence Scholarship** and “Best academic performance” (2012-13), Department of Biology, University of Crete (**1st** in the academic year-highest grade amongst peers).....1,800€
18. **Hellenic State Foundation Excellence Scholarship** and “Best academic performance” (2011-12), University of Crete (**1st** in the academic year-highest grade amongst peers).....1,800€
17. **Hellenic State Foundation Excellence Scholarship** and “Best academic performance” (2010-11), Department of Biology, University of Crete (**1st** in the academic year-highest grade amongst peers).....1,800€
16. **Hellenic State Foundation Excellence Scholarship** and “Best academic performance” (2009-10), Department of Biology, University of Crete (**1st** in the academic year-highest grade amongst peers).....1,800€
15. **Awarded** a place in Prof. Dimitris Kardassis laboratory, IMBB-FORTH, Crete, (2012), for a month for lab experience (declined to due other University commitments)

C.V.

Dr. Stefania Kapsetaki

14. **Awarded** a place in a laboratory at **Boston University** for a month in 2012 for lab experience (declined to due other University commitments and financial difficulties)
13. **Citizen of honour award** (2012) from the Municipality of Hersonissos
12. **1st prize** in 'Young Greek Soloists of the Year' Competition of the Athens Symphony Orchestra (2011)
11. **Academic excellence Scholarship** from the **American College of Greece** (2009) (declined due to offer from the University to Crete)
10. **Eleni Schilizzi Foundation Scholarship** (2009) for BSc studies at **King's College** London/Royal Academy of Music, London (declined due to offer from the University to Crete).....£10,000
9. **1st Prize-Gold Medal** (2009), Sports Interschool Women's Table Tennis Championship, Greece
8. **8-year Full Scholarship** covering tuition fees for classical piano and music theory studies (1999-2008), Minoan Conservatory of Music
7. **3rd Prize-Bronze Medal** (2008), Heraklion Youth Centre Men's and Women's Table Tennis, Championship, Greece
6. **3rd Prize-Bronze Medal** (2007), Sports Interschool Women's Table Tennis Championship, Greece
5. **1st prize** piano solo (2004), National Interschool Music Competition
4. **5th prize** four-hands (2004), 10th International Piano Competition Konzertheum, Athens
3. **Successive annual excellence awards** (2003-09) for highest grades throughout the Music High School and Lyceum of Heraklion
2. **3rd prize** four-hands (2001), 7th International Piano Competition Konzertheum, Athens
1. **Public Junior School** (1997-2003), **1st** amongst peers in all academic years

RESEARCH SKILLS

Laboratory

4. **Animal Welfare Training Certificate**, Arizona State University, 2020
3. **Culturing** algae, protists & *Daphnia*, standard light **microscopy skills**, **dissecting** cnidaria, crayfish, annelids, squid, fluorescent microscopy, **field work**-collecting algae, 2013-17

C.V.

Dr. Stefania Kapsetaki

2. **Culturing *Pseudomonas* & yeast, *Drosophila* mating & classical genetics, dissection of *Drosophila* midgut, dissection of *D. melanogaster*, *C. capitata* olfactory maxillary palps & antennae, Assessment of MIC using antibiotics, 2012-13**

1. **DNA Cloning** (PCR amplification, Restriction enzyme digestion, Ligation, Transformation, Plasmid isolation), **DNA & RNA extraction, Western blot, Northern blot, Immunocytochemistry, Confocal microscopy, SEM, TEM** (moderate knowledge), 2009-12

Computers

4. **Linux/Unix** (intermediate), 2021

3. **Perl** (basics) - Online Art coding workshop, 2021

2. **R programming skills**, 2014-21

1. **Successfully completed computer-related subjects at the University of Crete:** “Uses of Computers”, Grade: 9/10; “Ecology”, Grade: 9.5/10; “Computational Biology”, Grade: 10/10; “Methods in Microbiology and Biochemistry”, Grade: 8.5/10; Windows 7, 8, Mac, Office Word, Excel, PowerPoint, Mozilla Firefox, 2009-12

CONFERENCE PRESENTATIONS

43. Selected speaker, oral presentation, “The ecology of cancer prevalence across species”, **Society for Integrative and Comparative Biology**, virtual, 2022

42. Selected speaker, oral presentation, flash talk, “The ecology of cancer prevalence across species”, **Young Systematics Forum**, virtual, 2021

41. Selected speaker, oral presentation, “The evolution of multicellularity in algae”, **Janelia 4D Cellular Physiology Workshop on Evolution of Multicellularity**, 2021

40. Speaker, poster presentation, “The ecology of cancer prevalence across species”, **Arizona Postdoctoral Research Conference**, 2021

39. Speaker, poster presentation, “The ecology of cancer prevalence across species”, **Cancer Systems Biology Consortium (CSBC) Annual Meeting**, Virtual, 2021

38. Speaker, oral presentation, “Is chimerism linked with cancers across the tree of life?”, **Canadian Society for Ecology and Evolution-Société Canadienne d'Écologie et d'Évolution (CSEE-SCEE) Annual Meeting, Vancouver**, selected from over 300 abstracts to give a 12-minute talk, 2021

37. Speaker, oral presentation, Chimerism & Cancer, virtual conference, **International Society for Evolution, Medicine & Public Health (ISEMPH)**, 2021

36. Speaker, poster presentation, Chimerism & Cancer, **Cancer Across Species - Improving Health Care for All**, NC State College of Veterinary Medicine, 2021

C.V.

Dr. Stefania Kapsetaki

35. Speaker, poster presentation, **Fusion Scientific Retreat**, Arizona State University, 2021
34. Speaker, poster presentation, **Cancer Systems Biology Consortium CSBC/PS-ON virtual conference**, poster title “Cancer in spacetime: a dis-ease of 1096 species approaching the t(r)opic of cancer at the top of the food pyramid”, 2021
33. Speaker, oral & poster presentation, **Zombie Apocalypse Medicine Meeting (ZAMM)**, Virtual, Arizona State University, 2020
32. Speaker, poster presentation “Cancer in spacetime: a dis-ease of 1096 species approaching the t(r)opic of cancer at the top of the food pyramid” at the virtual **Systems Approaches to Cancer Biology (SACB) virtual conference**, 2020
31. Speaker, selected to give a 3 minute lightning talk, 2nd annual **Arizona Postdoctoral Research Virtual Conference**, 2020
30. Speaker, poster presentation, **Cancer Systems Biology Consortium CSBC/PS-ON/BD-STEP Junior Investigator Annual Meeting** for the NCI Cancer Systems Biology Consortium, Virtual, 2020
29. Speaker, **Cancer & Embryo Development Conference**. Biodesign Institute, Arizona State University, Tempe, 2020
28. Speaker, poster presentation, **ASU Interdisciplinary Study of Cooperation Winter School**, Biodesign Institute, Arizona State University, 2020
27. Speaker, poster presentation, **ASU Methods in Cancer & Evolution Conference**, Biodesign Institute, Arizona State University, 2019
26. Speaker, oral presentation, “Chimerism across the tree of life”, **Department of Veterinary Medicine, Cambridge**, 2019
25. Speaker, poster presentation, **Arizona Wellbeing Commons Conference**, “The evolution of chimerism and cancer transmissibility”, Phoenix, 2019
24. Speaker, poster presentation, **Arizona Postdoctoral Research Conference**, “The evolution of chimerism and cancer transmissibility”, Phoenix, 2019
23. Speaker, poster presentation, “The evolution of chimerism and cancer transmissibility”, **Evolutionary Biology and Ecology of Cancer Course**, Cambridge UK, 2019
22. Speaker, **Arizona Symposium on Virology, Immunology, Microbiomes and Infectious Diseases Conference**, Phoenix, 2019
21. Speaker, poster presentation, “The first step in the evolution of multicellularity”, **Evolutionary Biology and Ecology of Cancer course**, Cambridge UK, 2018

C.V.

Dr. Stefania Kapsetaki

20. Speaker, poster presentation, **International Conference on “Collective Behavior” in Trieste, Italy**, Abdus Salam International Centre for Theoretical Physics, 2018
19. Speaker, oral presentation, “Music of Life”, a combination of live classical piano performance and silent nature documentaries together with a short presentation about the major evolutionary transitions at the **4th Aegean Arts International Festival, Crete, Greece**, 2017
18. Speaker, oral presentation, “Music of Life”, a combination of live classical piano performance and silent nature documentaries together with a short talk at the **Imperial Science Festival, London** (this event was live-broadcasted worldwide), 2017
17. Speaker, poster presentation, “How do algae form multicellular groups?” at the **European Society of Evolutionary Biology conference (ESEB) in Groningen, Netherlands**.
<https://drive.google.com/file/d/1Eve5Rz-a2dpPecIsOruG1e1EwdcqAKN7/view?usp=sharing>, 2017
16. Speaker, oral presentation, “Predation and multicellular group formation in algae”, and helped organize the event by taking the initiative to create the conference logo & perform live classical music while showing major transitions-themed videos, October, **Major Transitions Workshop**, Magdalen College, University of Oxford, 2016
15. Speaker, poster presentation, **Royal Society Event “Into the world of Algal Genomics”, Buckinghamshire**, 2016
14. Speaker, poster presentation, “Predation and the evolution of multicellular groups in algae” at the **European Society of Evolutionary Biology conference (ESEB) in Lausanne, Switzerland**, 2015
13. Speaker, oral presentation, Selected among 77 applicants for 28 places to participate in the **Guarda International workshop in evolutionary biology, Switzerland**, 2015
12. Speaker, oral presentation, “To clump, or not to clump? The effect of predation on algae”, **Department of Zoology, University of Oxford**, 2014
11. Speaker, oral presentation, “Colony formation in unicellular green algae upon predation pressure”, Tubney House, Abingdon Road, **WildCRU, Zoology, The Recanati-Kaplan Centre, University of Oxford**, 2014
10. Speaker, oral presentation, “The evolution of genome architecture”, Undergraduate “Molecular Evolution” course, **Department of Biology, University of Crete**, 2013
9. Speaker, oral presentation, “Chk1 is required for Spindle Checkpoint Function”, Undergraduate “Cancer” course, **Department of Biology, University of Crete**, 2012
8. Speaker, oral presentation, “Combinatorial antibiotic-Quorum Sensing Inhibitor treatments against persistent *Pseudomonas aeruginosa* infection”, Undergraduate thesis presentation, **Department of Biology, University of Crete**, 2012

C.V.

Dr. Stefania Kapsetaki

7. Speaker, oral presentation, “Protein folding and the molten globule state”, Undergraduate “Protein mechanics” course, **Department of Biology, University of Crete**, 2012
6. Speaker, oral presentation, “Neurobiological mechanisms underlying GnRH pulse generation by the hypothalamus”, Undergraduate “Neurobiology” course, **Department of Biology, University of Crete**, 2012
5. Speaker, oral presentation, “Unravelling the mystery of biological time (Circadian Rhythms)”, Undergraduate “English” course, **Department of Biology, University of Crete**, 2011
4. Speaker, oral presentation, “CO and death in the gas chambers during World War II”, Undergraduate “English” course, **Department of Biology, University of Crete**, 2010
3. Speaker, oral presentation, “Correlation of Organic Matter and Altitude amongst several plant species in Crete”, Undergraduate “Ecology” course, **Department of Biology, University of Crete**, 2010
2. Speaker, oral presentation, “DNA Methylation and Memory”, Undergraduate “English” course, **Department of Biology, University of Crete**, 2010
1. Speaker, oral presentation, “Underwater Survival Time of the *Diplopoda* families *Callipodidae*, *Julidae*, *Polydesmidae*”, Undergraduate “Zoology” course, **Department of Biology, University of Crete**, 2009

INVITED PRESENTATIONS

24. Speaker, invited twin interview on TV, **ERT1 Greek National TV**, <https://m.youtube.com/watch?v=MQjA62Hqncg>, 2021
23. Invited interviewee for “**Greek Women in STEM**”, <https://greekwomeninstem.com/composing-in-the-microcosm/>, <https://greekwomeninstem.com/gr/composing-in-the-microcosm/>, 2021
22. Speaker, invited interviewee, sharing my experiences in STEM and raising awareness about girls' abilities to excel in STEM, at the **Girl Up Singapore club in collaboration with the UN Foundation**, https://www.instagram.com/p/CMw4fDhr15Z/?utm_source=ig_web_copy_link, 2021
21. Speaker, **Greek Women in STEM**, «Γυναίκες+», co organised by **REAL Science, Greek Girls Code, Lean in Tech Hellas**, virtual conference, 2021
20. Speaker, Evolution and Medicine course for **Bristol University** medical students, 2021
19. Speaker, **Women’s History Month**, interview organised by the **Foundation for Advocating Youth Education (FAYE)**, spreading awareness about issues that affect students, 2021 <https://m.youtube.com/watch?v=jgK9VVjqZ54>
18. Speaker, “**Lab out Loud**” podcast, talking about cancer, chimerism, science & the arts, and my career in general <https://laboutloud.com/2021/01/episode-239-dr-stefania-kapsetaki/>, 2021

C.V.

Dr. Stefania Kapsetaki

17. **Online exhibition of my science artwork**, Michigan University, 2020
<https://www.msuscicomm.org/2020-sciart-exhibition/dr.-stefania-kapsetaki>
16. Speaker, **Ioannina Science Festival**, virtual, “Η πολυκύτταρη συμφωνία και ο καρκίνος”, Greece, 2020
15. Speaker, Invited Science Conversation & Recital, “The Multicellular Symphony”, **Spirit of the Senses Society**, Tempe, 2020
14. Speaker, **Knowledge Mobilization Awards**, Tempe, 2020
13. Speaker, “I Love Science Day”, **Arizona National History Museum**, 2020
12. Speaker, Title: Cancer and chimerism across the tree of life, **University of Copenhagen**, Denmark, 2020
11. Speaker, Coffee@Beyond Lecture. “The Multicellular Symphony? Cooperation, conflict, chimeras & transmissible cancers”, **Biodesign Institute**, Tempe, 2020
10. Speaker, poster presentation, Young Systematics Forum, **Natural History Museum**, London, 2019
9. Keynote speaker, **2nd International Conference on Aquaculture and Fisheries**, Malaysia, 2019
8. Speaker, “Presentation of recent Frontiers for Young Minds article”, Graduate Seminars, **Department of Zoology, Oxford**, 2019
7. Speaker, “Major transitions – from the precellular world to human societies”, **Natural History Museum, Crete**, Greece, 2019
6. Speaker, “The origins of life”, **Arizona National History Museum**, 2019
5. Speaker, “Cooperation and competition from the beginning of life to societies”, **Museum of Natural History, Oxford**, 2019
4. Speaker, “The road had its own story...the evolution of multicellularity”, **University of Crete, Department of Biology**, Heraklion Crete, Greece, 2018
3. Speaker, “The road had its own story...”, **Music Schools Meeting, Heraklion Crete**, Greece, 2018
2. Speaker, “Multicellular group formation in algae”, **Oxford Congress on Plant Science**, 2018
1. Interviews and presentations in newspapers, magazines, on **local/national radio and TV** stations.
<http://www.cretetv.gr/KPHTH-ΣΗΜΕΡΑ-02072015/>, 2009-16

C.V.

Dr. Stefania Kapsetaki

WORKSHOPS ATTENDED

(condensed version)

10. SCOPE (**Science Communication Online Programme**), National Science Foundation, 2021
9. My “**Chasing the coronavirus**” artwork video was accepted and was live streamed multiple times throughout the virtual ZAMM conference, during lunch and afternoon breaks, Arizona, 2020
8. **Seminar Series in Biology and Medicine** organized by the Bodossaki Foundation, Sounio, Attiki (all expenses covered-among 35 participants-after selection process), 2014
7. **3rd Summer School of the World Hellenic Biomedical Association in Medical & Biosciences Research & Management**, Greece, May 17 - 25, 2014, (granted with a scholarship covering expenses-in 2nd place, among the top 15 selected worldwide from a total of 42 graduate applicants) (did not attend due to other financial difficulties), 2014
6. **Onassis Lectures in Chemistry and Biology**, "Molecular Conformational Fluctuations: Origins of Biological Specificity and Applications in Pharmacochimistry", IMBB, Crete (full scholarship to attend-among the 35 Greek participants selected on the basis of their academic performance). Keynote speaker: Kurt Wüthrich, 2014
5. “How To Win A Nobel Prize - the Secret of Cell Division”, Sir Tim Hunt (Nobel Laureate), Inorganic Chemistry Department, Oxford <https://www.youtube.com/watch?v=X-6jWrdIEzI> (asking question at the end-active participation), 2014
4. **63rd Hellenic Biochemistry and Molecular Biology Conference**, Institute of Molecular Biology and Biotechnology (IMBB), Crete, 2012
3. **38th Annual Hellenic Medical Conference**, Hilton Hotel, Athens, 2012
2. Advanced lessons in Particle Physics, **5th International Particle Physics Meeting**, University of Crete, 2009
1. “**International Philosophy of Twin relationships**”, conference, IMBB, Crete, 2007

Piano masterclass participation with 24 international soloists/teachers:

Lang Lang, Angela Hewitt, Vladimir Ashkenazy, Dimitris Toufexis, Philip Fowke, Anton Kuerti, Dina Parakhina, Bryce Morrison, Martino Tirimo, Radoslav Kvapil, Phillipe Cassard, Marie-Louise Taylor, Helen Krizos, Alton Chan, Aleks Szram, Murray McLachlan, Jonathan Middleton, Masayuki Tayama, Nelita True, Alicja Fiderkiewicz, Bobby Chen, Stephen Kovacevich, Menaham Pressler, Christopher Elton

LANGUAGES

4. **Music** - the “universal language of mankind” - *H.W.Longfellow*; I would add beyond mankind.) - 20 years of performances, solo piano, 4-hands and 2 pianos in major music festivals and concert halls in Europe, over **160 concerts, 3 CD Recordings**, TV and radio interviews (<https://kapsetakitwins.wixsite.com/mysite>)

C.V.

Dr. Stefania Kapsetaki

2019, Lead Cembalist in two chamber music concerts, Aegean Arts Festival, Crete
2015, Received invitation letter from the Greek-American composer G. Nick Gianopoulos to perform some of his works for solo and 2 pianos
2015, Making Music's Award for Young Concert Artists scheme (AYCA), London, UK (invited for audition at the Royal Academy of Music)
2014, Performance of F. Poulenc's 2 piano concerto with the Athens City Symphony Orchestra, Conductor: Konstantinos Diminakis, Concertmaster: Giannis Georgiadis. <https://www.youtube.com/watch?v=nMSmT1DxymI>
2013, Collaboration with the Greek composers Giorgos Minas, Kostas Mylonas and premier performances of their works.
2007, Ptyhio of Harmony and Theory of music, Heraklion Minoan Conservatory of Music, Honours and Distinction
2006, Ptyhio of piano, Heraklion Minoan Conservatory of Music, Honours and Distinction
2003-2006, 2nd violin in the Pancretan youth orchestra

3. **German** - Zertifikat Fur Anfanger Deutsch
2. **Greek** (native)
1. **English** (mother language) - Certificate of Proficiency, ESOL Cambridge
2005, Certificate in Advanced English, ESOL Cambridge
2003, First Certificate, ESOL Cambridge