

Alexandros G. Sykaras

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Education and Qualifications

10/2015 **Ph.D. in Graduate Programme “Molecular Basis of Human Disease”**
Faculty of Medicine, University of Crete, Heraklion, Greece

Thesis title: “Molecular characterization of duodenal cholecystokinin enteroendocrine cells”

Specialization: Molecular- Cellular physiology Supervisor: Prof. Vassilis Zannis

03/2007 **M.Sc. in Graduate Programme “Molecular Basis of Human Disease”**
Faculty of Medicine, University of Crete, Heraklion, Greece

Thesis title: “The role of cholesterol in the potential dimerization of NPC1L1 protein”

Grade: 8.5/10 (Excellent)

09/1998 - 07/2004 **Medical Degree** Grade: 7.88/10 (Very Good)
Faculty of Medicine, University of Crete, Heraklion, Greece

Clinical Experience

10/2021- Present **Resident in Histopathology (cytopathology)**
*Department of Cytopathology, Aretaieio Hospital, Medical School,
National Kapodistrian University of Athens, Greece*

05/2017 - 05/2021 **Resident in Histopathology (surgical pathology)**
Department of Pathology, Evangelismos General Hospital, Athens, Greece

02/2021- 04/2021 **Rotation resident in Histopathology (gynaecologic and liver pathology)**
*Department of Pathology, Aretaieio Hospital, Medical School,
National Kapodistrian University of Athens, Greece*

Research Experience

01/2016 - 12/2016 **Research fellow**
Institute of Medical Biosciences, Umeå University, Umeå, Sweden

Project: “Characterization of peptide-expressing cells in the prostate gland”

Supervisor: Prof. Marene Landstrom

02/2013 - 01/2015 **Post-Doctoral fellow**
Umeå Center for Molecular Medicine, Umeå University, Umeå, Sweden

Project: “The role of hyperinsulinemia in the development of Non-Alcoholic Fatty Liver Disease”

Supervisor: Prof. Helena Edlund

10/2008 - 01/2013 **Honorary Visiting Scientist**
Faculty of Life Sciences, The University of Manchester, Manchester, UK
Project: "Molecular characterization of duodenal cholecystokinin enteroendocrine cells"
Supervisor: Dr Craig P. Smith Advisors: Prof. John T. McLaughlin and Prof. Maynard Case

02/2006 - 02/2008 **Visiting researcher/ junior post-doctoral fellow**
Department of Molecular Genetics,
University of Texas Southwestern Medical Center at Dallas, Texas, USA
Project: "The role of cholesterol in the potential dimerization of NPC1L1 protein"
Supervisors: Prof. Helen Hobbs and Prof. Jonathan Cohen.

Teaching experience

2022-2023 Instructor, Modules "Basic functions of cancer cells", "Background of metastasis- Stem cells", "Digestive system", Graduate Programme "Neoplastic Disease in Humans: Research and Clinicopathologic Approach in the Context of Precision Medicine (Diagnosis and Targeted Treatment)", *Medical School, National Kapodistrian University of Athens, Greece*

2017-2021 Participation as speaker in the educational programme of the Pathology Department (2 seminars) and in hospital Grand Rounds (4 talks), *Evangelismos General Hospital, Athens, Greece*

2014-2015 Instructor, Undergraduate Module "Animal Physiology", *Department of Molecular Biology, Umeå University, Umeå, Sweden*

2010-2014 Supervision of undergraduate and postgraduate students' research, *The University of Manchester, UK and Umeå Center for Molecular Medicine, Umeå University, Umeå, Sweden*

2004-2005 Teaching assistant, Graduate Programme "Molecular Basis of Human Disease", *Faculty of Medicine, University of Crete, Heraklion, Greece*

Peer-reviewed journal publications

1. Psilopatis I, **Sykaras AG**, Mandrakis G, Vrettou K, Theocharis S. Patient-Derived Organoids: The Beginning of a New Era in Ovarian Cancer Disease Modeling and Drug Sensitivity Testing. *Biomedicines*. 2023; 11(1):1.
2. Levidou G, Palamaris K, **Sykaras AG**, Andreadakis G, Masaoutis C, Theochari I, Korkolopoulou P, Rontogianni D, Theocharis S. Unraveling the Role of Histone Variant CENP-A and Chaperone HJURP Expression in Thymic Epithelial Neoplasms. *Int J Mol Sci*. 2022 Jul 28;23(15):8339.
3. **Sykaras AG***, Christofidis K*, Politi E, Theocharis S. Exosomes on Endometrial Cancer: A Biomarkers Treasure Trove? *Cancers (Basel)*. 2022 Mar 29;14(7):1733. * equal contribution

4. **Sykaras AG**, Margellou E, Vallianou NG, Panagopoulos F, Geladari E, Kounatidis D, Alevizakis I, Magkou C. Multifaceted Secukinumab-induced Colitis. *Inflamm Bowel Dis*. 2022 May 4;28(5):818. Corrigendum to *Inflamm Bowel Dis*. 2022 Mar 30;28(4): e47-e48.
5. Pergaris A, Danas E, Goutas D, **Sykaras AG**, Soranidis A, Theocharis S. The Clinical Impact of the EPH/Ephrin System in Cancer: Unwinding the Thread. *Int J Mol Sci*. 2021 Aug 5;22(16):8412.
6. **Sykaras AG**, Pergaris A, Theocharis S. Challenging, Accurate and Feasible: CAF-1 as a Tumour Proliferation Marker of Diagnostic and Prognostic Value. *Cancers (Basel)*. 2021 May 24;13(11):2575.
7. Vallianou NG, Stavrinou N, Panagopoulos F, Geladari E, **Sykaras AG**, Vourlakou C. Unexpected finding. *J Clin Pathol*. 2021 Apr;74(4): e6.
8. Magira EE, Malouchou A, Karathanasi V, Mavropoulou N, Siempos II, Vourlakou C, **Sykaras A**, Anastasiadis G. Acute Encephalitic Syndrome Induced by Scleromyxedema. *Am J Med Sci*. 2020 Aug;360(2):192-195.
9. Papakonstantinou NA, **Sykaras AG**, Vourlakou C, Goudevenos J, Papadopoulos G, Apostolakis E. Cardioplegic storage solution: Is it the guardian of saphenous vein graft endothelium? *J Card Surg*. 2020 May;35(5):996-1003.
10. Giatra C, **Sykaras AG**, Constantinou F, Gennimata V, Sampaziotis D, Geladari E, Kounatidis D, Vallianou NG. Co-existence of Follicular Lymphoma in the Lymph Node with High-grade B Cell Lymphoma in the Bone Marrow of a Patient with Spontaneous Tumor Lysis Syndrome. *Cardiovasc Hematol Disord Drug Targets*. 2020;20(3):237-240.
11. Steneberg P, **Sykaras AG**, Backlund F, Straseviciene J, Söderström I, Edlund H. Hyperinsulinemia Enhances Hepatic Expression of the Fatty Acid Transporter Cd36 and Provokes Hepatosteatosis and Hepatic Insulin Resistance. *J Biol Chem*. 2015 Jul 31;290(31):19034-43.
12. **Sykaras AG**, Demenis C, Cheng L, Pisitkun T, McLaughlin JT, Fenton RA, Smith CP. Duodenal CCK cells from male mice express multiple hormones including ghrelin. *Endocrinology*. 2014 Sep;155(9):3339-51.
13. **Sykaras AG**, Demenis C, Case RM, McLaughlin JT, Smith CP. Duodenal enteroendocrine I-cells contain mRNA transcripts encoding key endocannabinoid and fatty acid receptors. *PLoS One*. 2012;7(8): e42373.

Conference proceedings (selected)

1. **Sykaras, A.**, Zyli, I., Goutas, D., Katsoulas, N., Papanikolaou, I. S., & Politi, E. (2022). Immunocytochemistry-assisted diagnosis of solid pseudopapillary neoplasm of the pancreas in a young man. *Virchows archiv* (Vol. 481, No. Suppl 1, pp. S205-S205)
2. **Sykaras, A.**, Stefanakis, S., & Kouvidou, C. (2022). Divergent infiltrating high grade urothelial carcinoma with small cell neuroendocrine carcinoma differentiation. *Virchows archiv* (Vol. 481, No. Suppl 1, pp. S359-S359).
3. **Sykaras A.**, & Kouvidou C. (2022). Visceral leishmaniasis presented as colitis in a patient with multiple myeloma. *Virchows archiv* (Vol. 481, No. Suppl 1, pp. S227-S227).
4. **Sykaras A.**, Vourlakou C., Gioti E., Stavrinou N., Nitsios I., & Kouvidou, C. (2021). Nuclear protein in testis (NUT) expression and loss of C-terminus yes-associated protein 1 (YAP1) in a subset of hidradenomas. *Virchows archiv* (Vol. 479, No. Suppl 1, pp. S11-S12).

5. **Sykaras A.**, Gioti E., Stavrinou N., Dolkiras P., Christofidis K., & Kouvidou C. (2021). Malignant peripheral nerve sheath tumour (MPNST) arising in plexiform neurofibroma in a neurofibromatosis type I (NF1) patient. *Virchows archiv* (Vol. 479, pp. S307-S307).
6. **Sykaras A.**, Dolkiras P., Stavrinou N., Magkou C., Gioti E., & Papagianni E. (2021). Squamoid eccrine ductal carcinoma (SEDC) of the right foot with locoregional lymph node metastasis. *Virchows archiv* (Vol. 479, pp. S207-S207).
7. **Sykaras A.**, Sampaziotis D., Stamou C., Kalliakmanis I., Kouvidou C., & Vourlakou C. (2020). Duodenal neuroendocrine cells hyperplasia in coeliac disease. *Virchows archiv* (Vol. 477, pp. S194-S194)
8. Tanoglidi A., Stavrinou N., **Sykaras A.***, Liadakis G., Kouvidou C., & Vourlakou C. (2020). Diagnostic utility of von Hippel-Lindau tumour suppressor gene product in intrahepatic/extrahepatic bile duct and gallbladder adenocarcinomas. *Virchows archiv* (Vol. 477, pp. S95-S95) * poster presenter
9. **Sykaras A.**, Pantelakos S., Sampaziotis D., Christofidis K., & Kouvidou C. (2020). A rare case of metastatic cutaneous cholangiocarcinoma. *Virchows archiv* (Vol. 477, pp. S250-S250)
10. **Sykaras A.**, Sampaziotis D., Roidou A., Stavrinou N., Pantelakos S., & Kouvidou C. (2020). YAP1 and RB loss of expression in TTF-1 negative small cell lung carcinoma (SCLC). *Virchows archiv* (Vol. 477, pp. S363-S364)
11. **Sykaras A.**, Kyriakopoulos G., Kazamias G., Stamou C., Pantelakos S., Dolkiras P., & Kouvidou C. (2019). YAP1 expression in Merkel Cell Carcinoma. *Virchows archiv* (Vol. 475, pp. S29-S29)
12. **Sykaras A.**, Pantelakos S., Sampaziotis D., Botsakis K., Stamou C., Stavrinou N., & Kouvidou C. (2019). A rare case of granular cell tumour in the biliary tract. *Virchows archiv* (Vol. 475, pp. S304-S305)
13. **Sykaras A.**, Paraskevas A., Sampaziotis D., Pavlou K., Roidou K., & Kouvidou C. (2019). An unusual case of metastatic liver melanoma in a patient with chronic lymphocytic leukemia. *Virchows archiv* (Vol. 475, pp. S304-S304)
14. **Sykaras A.**, Demenis C, Case R.M., McLaughlin J & Smith C.P. (2013) Duodenal I-cells contain CB1 receptor mRNA transcript that is upregulated by energy restriction. *Proc 37th IUPS, PCB314*
15. Demenis C, **Sykaras A.**, McLaughlin J.T., Case R.M. Smith C.P. (2012) The hormonal profile of duodenal I-cells *Proc Physiol Soc 27, C92*
16. **Sykaras A.G.**, Demenis C., Case R.M., McLaughlin J.T. & Smith C.P. (2012) Duodenal I-cells express multiple gut hormones. *Acta Physiologica 2012; Vol. 204, Suppl. 689: P061*

Oral Presentations - Invited talks (selected)

1. **Sykaras A.**, Vourlakou C., & Kouvidou C. Somatostatin receptor type 2a (SSTR2a) immunohistochemical expression pattern in Merkel cell carcinoma- a pilot study. *34th European Congress of Pathology, Basel, Switzerland (2022)*
2. **Sykaras A.** Hereditary neoplasms of the breast. *Breast and gynaecologic pathology committee meeting, Hellenic Society of Pathology, Athens, Greece (2021)*
3. **Sykaras A.** Hereditary neoplasms of the gastrointestinal tract. From morphology to molecular analysis. *25th Annual Continued Medical Education Congress, Evangelismos General Hospital, Athens, Greece (2020)*

4. **Sykaras A.** Molecular and genetic analysis of skin adnexal neoplasms. Postgraduate seminar series, *1st Department of Pathology, Medical School, National Kapodistrian University of Athens, Greece (2020)*
5. **Sykaras A.**, Kyriakopoulos G., Kazamias G., Stamou C., Pantelakos S., Dolkiras P., & Kouvidou C. YAP1 expression in Merkel Cell Carcinoma. *31st European Congress of Pathology, Nice, France (2019)*
6. **Sykaras A.G**, Demenis C, Huang X, Kiss O, Case M, McLaughlin J.T & Smith C.P (2011) Murine I-cells express G-Protein Coupled Lipid Receptors GPR40, GPR119 and GPR120 mRNA transcripts. *Physiology-The main meeting of The Physiological Society, Oxford, UK (2011)*

Awards-Distinctions

2014	Travel Grant award from The Physiological Society, UK
2013	Travel Grant award from The Physiological Society, UK
2011	Travel Grant award from The Physiological Society, UK
2004-2005	Postgraduate Fellowship, Faculty of Medicine, University of Crete, Greece
2004	1 st prize for the best presentation, “10 th Greek Medical Students’ Congress”, Athens, Greece
2002	4 th prize for the best presentation, “8 th Greek Medical Students’ Congress”, Ioannina, Greece

Professional Memberships

2022- Present	Member, European Society of Pathology
05/2015- Present	License to practice medicine (Ministry of Health, Sweden)
2010-2013	Affiliate Member, The Physiological Society, UK
Aug 2004-Present	License to practice Medicine (Prefecture of Viotia, Greece)

Scholar activities

Reviewer for: Cancers, International Journal of Molecular Sciences, Journal of Clinical Medicine, International Journal of Environmental Research and Public Health, Journal of Personalized Medicine, Tomography, Healthcare, Applied Biosciences, Disease Markers, Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, European Journal of Medical Case Reports

Relevant skills

- Languages: Greek (native), English (fluent), Swedish (basic)
- IT skills: Windows/Mac OS, Microsoft Office tools, computational biology online tools, graphic design, statistical analysis and bibliography manager software. Experience in online teaching and conference platforms (Webex, Zoom, Skype)