

Eric Santoni-Rugiu – CV

(ORCID: <https://orcid.org/0000-0002-2283-3535>)

BIRTH: Feb. 27, 1963, Pisa, Italy.

CURRENT WORKPLACE:

Department of Pathology, Diagnostic Center, Rigshospitalet, Copenhagen University Hospital, Denmark.

EDUCATION

2005: Specialist in Pathology, Danish National Board of Health.

1997: Specialist in Molecular Pathology, National Cancer Institute, NIH, Bethesda, USA

1994: PhD/Doctor of Research in Tumor Morphology & Experimental Oncology, Dept. of Pathology, Univ. of Pisa, Italy

1988: MD degree, highest marks *cum laude* & thesis publication, Faculty of Medicine, Univ. of Pisa, Italy

POSITIONS

Dec.2024-pres.: Professor of Thoracic Pathology, Department of Clinical Medicine (IKM), Univ. of Copenhagen (UCPH)

2008-pres.: Senior Consultant, Department of Pathology, Rigshospitalet (RH), Copenhagen

2021-24.: Clinical Associate Professor of Pathology, Dept. of Clinical Medicine (IKM), UCPH

2018-21: Associate Professor & Group leader, Biotech Research & Innovation Centre (BRIC), UCPH

2014-17: Shared diagnostics/research position granted by Research Council, RH.

2010-15: Associate Professor of Pathology, Dept. of Clinical Medicine (IKM), UCPH

2008-13: Leader of Laboratory of Molecular Pathology & Cancer Research Group, Bartholin Institute, Dept. of Pathology, RH

2006-7: Associate specialist, staff pathologist, Dept. of Pathology, RH

2000-6: Resident & staff pathologist, Bispebjerg Hospital (2000-2), RH (2002-4), Herlev Hospital (2005), Denmark

1999-2000: Adviser, Molecular Pathology Unit, European Institute of Oncology, Milan, Italy

1998-2000: Assistant Professor, Dept. of General Pathology, University of Pisa, Italy

1997-2000: Postdoc, Lab. of Cell Cycle & Cancer of Dr. J. Bartek, Danish Cancer Society, Copenhagen

1993-7: Postdoc, Lab. of Dr. S.S. Thorgeirsson, National Cancer Institute, NIH, Bethesda, USA

1990-4: Resident & PhD student, Dept. of Pathology, University of Pisa, Italy

CURRENT PRIMARY DIAGNOSTIC ACTIVITY: pathology & molecular pathology of thoracic diseases

CURRENT PRIMARY RESEARCH ACTIVITY:

Pathology & molecular pathology of thoracic diseases, with focus on diagnostic, prognostic, and predictive biomarkers as well as molecular pathways for response/resistance to treatment in lung cancer and mesothelioma

(*External Collaborators: Dept. of Oncology, RH; Dept. of Thoracic Surgery, RH; Finsenlab/BRIC, RH/UCPH; International Mesothelioma Interest Group; Danish Cancer Society; TRACERx Lung UK; Internat. Assoc. for the Study of Lung Cancer*).

COLLABORATIVE RESEARCH ACTIVITY:

- Diagnostics and treatment of thymomas and thymic carcinoma
(*Collaborators: "Thymus' clinical group" at RH from Dept. of Oncology and Dept. of Thoracic Surgery; International Thymic Malignancy Interest Group; Institute for Systems Biology, Seattle, USA*).
- Personalized oncology in phase I trials based on genomic profiling (*Collaborators: Phase I Unit, Dept. of Oncology, RH; Dept. of Genomic Medicine Unit, RH*);
- Molecular mechanisms of different neoplastic and inflammatory diseases
(*Collaborators: at Finsen Laboratory, RH; BRIC, UCPH*).

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ACADEMIC ACTIVITIES

Supervisor for:

- 3 Postdocs (1 ongoing)
- 15 completed PhDs (4 as main supervisor),
- 4 current PhD students (1 as main supervisor),
- 4 Master students; 1 Bachelor student.

Chairman: 1 PhD defence; **Opponent:** 8 PhD defences (4 in Denmark, 2 in Norway, 2 in Italy); **Censor:** 5 Master theses.

SPECIAL GRANTED AWARDS:

2019: **Evaluated professor-qualified** at the application for Professorship in Pathology at the Dept. of Clinical Medicine (IKM), UCPH, 2019 (ID: 148820).

1997: **Research grant, International Human Frontier Science Program** for working as Visiting Researcher at the Danish Cancer Society.

1995: **Visiting Associate position, Federal Government USA**, National Cancer Institute, NIH, Bethesda, MD, USA.

1993: **Fogarty International Postdoc Fellowship**, Fogarty International Center, NIH, Bethesda, MD, USA

PEER-REVIEWED PUBLICATIONS: See ORCID; 133, incl. 108 original articles, 18 reviews, 4 editorials, 3 letters to editor. First author in 20, last author in 26. H-index: 40 (Google Scholar & RG). Currently (Dec. 2024): 1 preprint, 6 submitted.

BOOKS

- Co-author of the international book "Liver Growth and Repair" (25 chapters, 662 pp), Ed. A. Strain & A.M. Diehl. London, Chapman & Hall Ltd, 1998.
- Co-author of the Danish pathology book for medical students "*Patologi*", 2nd ed. (24 chapters, 727 pp.), FADL's Forlag, Copenhagen, 2013.
- Co-author of the Danish pathology book for medical students "*Kompendium i almen patologi*" (6 chapters, 216 pp), FADL's Forlag, Copenhagen, 2013.
- Co-author of the Danish book "*Din egen håndbog - Om lungekræft*" (39 pp.), Lung cancer patient association (*Patientforeningen Lungekræft*), 2018, 6. udgave, 1. oplag, sponsored by the Danish Cancer Society.
- Single author of a book review in *Ugeskrift for læger* for the English book "Radiologic-Pathologic Correlations from Head to Toe". Gourtsoyiannis HC, Ros PR, Ed. Springer-Verlag GmbH & Co. KG, 2005, 797 pages.

ORAL PRESENTATIONS AT INTERNATIONAL MEETINGS: 57

(1994-7: 13 on transgenic mouse models for hepatocarcinogenesis induced by c-Myc & growth factors; 1997-2002: 7 on role of c-Myc, cyclins and pRb in human cancer cell cycle; 2006-24: 36 on pathology, molecular pathology, and molecular oncology of lung cancer, malignant pleural mesothelioma, thymomas).

INVITED LECTURES AT NATIONAL/INTERNATIONAL COURSES: 41 (1994-7: 7 on transgenic mouse models for hepatocellular carcinoma; 1998-2000: 3 on role of c-Myc and cyclin E in cancer cell cycle; 2006-24: 29 on molecular pathology of malignant mesothelioma and non-small cell lung cancer, 6 on interstitial lung diseases).

RESEARCH EVALUATION COMMITTEES:

2020-present: Grant reviewer for British Lung Foundation

2013-2018: Grant review-panel, Danish Cancer Research Foundation

2012-2016: Scientific Board, Danish Assoc. for Cancer Research

2022-present: Biobank Committee of Danish Capital Region

1997: Chair of the symposium "Hepatocarcinogenesis", American Society of Investigative Pathology (ASIP), Tulane University Medical Center, New Orleans, LA, USA.

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RESEARCH GRANTS: As PI: Over 12 million DKK; **As Co-PI:** Over 4 million DKK

EDITORIAL BOARD MEMBER for:

- *Int. J. Mol. Sci.*
- *Prec. Cancer Med.*

Guest Editor for Special Issue on “Molecular Players in Diagnostics and Therapeutics of Malignant Pleural Mesothelioma” in *Int. J. Mol. Sci.* 2019-2022

PEER-REVIEWER for 69 different scientific journals, among others: Acta Oncol., Am. J. Pathol., Ann. Transl. Med., MC Cancer, Br J Cancer, Cancer, Cancers, Carcinogenesis, EMBO J., Front. Oncol., Gastroenterology, Hepatology, J. Pathol., J. Thorac. Dis., J Thorac. Oncol. CCR, Lancet Oncol., Lung Cancer, Mol. Oncol., Oncogene, Oncotarget, Proc. Natl. Acad. Sci. USA., Trans. Lung Cancer Res., Thorax.

CO-AUTHORED CLINICAL RECOMMENDATIONS

- Pleural Mesothelioma (PM): Epidemiology, diagnostics, pathology and treatment, Danish Lung Cancer Group (one of the Danish Multidisciplinary Cancer Groups/DMCG), v.1.0 (2021) and v.2.0 (2023).
- Lung cancer – Pathology guidelines, v.1.0, v.2.0, v.2.1, v.2.2 (2019-2023), Danish Lung Pathologists (Dalupa), Danish Lung Cancer Group, DMCG.
- Diagnostic & therapeutic guidelines for Malignant Pleural Mesothelioma, Danish Respiratory Society (2021).
- Diagnostic & therapeutic guidelines for Thymomas & Thymus carcinomas, Danish National Board of Health (2018 & 2020).
- Diagnostic & therapeutic guidelines for Malignant Pleural Mesothelioma, Danish National Board of Health (*Sundhedsstyrelsens MPM Pakkeforløb*) (2012 & 2014).
- Practical Guidelines for the Danish Cancer Biobank (2007-2012).

MEMBERSHIPS IN SCIENTIFIC SOCIETIES

2019-pres.: International Association for the Study of Lung Cancer (IASLC)

2013-pres.: International Thymic Malignancy Interest Group (ITMIG)

2012-pres.: European Association for Cancer Research (EACR)

2010-pres.: International Mesothelioma Interest Group (IMIG)

2009-pres.: Nordic Thoracic Oncology Group (NTOG)

2009-pres.: Danish Research School of Molecular Mechanisms of Disease (MoMed)

2009-12: Danish Molecular Pathology Group (DMPG), Co-founder & Chairman 2009-2012

2008-pres.: Danish Lung Cancer Group (DLCG); 2007-12: National Committee of Danish Cancer Biobank

2005-pres.: European Society of Pathology (ESP); 1995-2019: American Association for Cancer Research (AACR)

ADVISORY BOARD (AB) and OTHER COMMITTEES

2020-pres.: Mesothelioma AB of the Danish Lung Cancer Group (DLCG)

2015-pres.: Expert Panel for Malignant Mesothelioma, Danish Board of Health (*Sundhedsstyrelsen*)

2024: Astra Zeneca, Danish AB for treatment of metastatic *EGFR*-mutated NSCLC

2022: Takeda, Danish AB on Molecularly Defined Lung Cancers

2021: Roche, Danish (Neo)adjuvant immunotherapy for NSCLC

2021: Bayer, Nordic AB on treatment algorithm for Larotrectinib and NTRK testing

2021: Amgen, Targeted Therapy – Danish Steering Group

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2020: Roche, Nordic AB on tumor-agnostic treatment of NTRK+ tumors
2020: Bayer, European Pathology AB on VITRAKVI
2018: Takeda, Nordic AB for ALK+ NSCLC
2018: Bayer, European AB for NTRK gene fusions in human cancers
2014-2016: Novartis, Nordic AB for targeted treatment of NSCLC
2013-2015: Novartis (Basel), International Expert Panel for exper. treatment & PDX mouse models for mesothelioma
2011-2016: Pfizer, Nordic AB for ALK-positive NSCLC

PRE-GRADUATE TEACHING

- **2021-2024:** Clinical Assoc. Prof. in Pathol., Dept. of Clinical Medicine (*Institut for Klinisk Medicin*), Faculty of Health & Medical Sciences, UCPH: Pathology of neoplastic & non-neoplastic lung diseases; medical students (6th sem. Bachelor).
- **2023-pres.:** Censor Exam in Pathological Anatomy for students in Molecular Medicine, University of Aarhus, Denmark.
- **Nov. 2018-Dec. 2021:** Assoc. Prof. & Group Leader at BRIC, UCPH: General Pathology; medical students (5th sem. Bachelor).
- **2010-15:** Clin. Assoc. Prof., Dept. of Clinical Medicine (*Institut for Klinisk Medicin*), Faculty of Health & Medical Sciences, UCPH: Pathology of respiratory (6th & 7th sem.) & gastrointestinal diseases (12th sem.).
- **1994-7:** Theoretical & practical tutorial activity in Molecular pathology to 5 American medical students/year attending the Lab. of Experimental Carcinogenesis at the National Cancer Institute, NIH, Bethesda, MD, USA.
- **1990-2:** As resident in Pathology and PhD-student in Tumor Morphology and Experimental Oncology, performed tutorial activity & taught laboratory classes (20 students) in General & Mol. Pathol. to students in Medicine & Biology, Univ. of Pisa, Italy.

POST-GRADUATE TEACHING

- **2010-pres.:** Teaching pathology of interstitial lung diseases at the annual course for Danish residents in Pneumology organized by Danish Respiratory Society & Danish National Board of Health.
- **2022-pres.:** Multidisciplinary teaching together with pneumologists & radiologists at annual course on HRCT scanning for interstitial lung diseases for Danish radiologists and pneumologists.
- **2013:** Teaching at the annual course on Molecular Pathology to Danish residents in Pathology organized by the Danish Society of Pathology & Danish National Board of Health.
- **2008-12:** Teaching pathology and molecular pathology of malignant mesothelioma at the annual course on pulmonary diseases to Danish residents in Pathology organized by the Danish Society of Pathology & Danish National Board of Health.
- **2009 & 2012,** Co-organizer, coordinator & class teacher for the PhD-course entitled "Pathology" for the Molecular Mechanisms of Disease (MoMed) PhD research program, Copenhagen Biocenter, UCPH.
- **1998-2000:** Assistant Professor, Dept. of Pathology, Faculty of Medicine, University of Pisa, Italy, teaching Molecular Pathology to medical students and to residents in Pneumology.

LANGUAGES:

Fluent: Italian (birth country), English, Danish, Swedish (Swedish mother)
Proficient: French, Norwegian, Spanish