

**GUIDO CARPINO**  
**Curriculum Vitae ai fini della pubblicazione**

**Part I – General Information**

Full Name	Guido Carpino
Spoken Languages	Italian (native speaker), English

**Part II – Education**

Type	Year	Institution	Notes
ASN	2017	MUR	Abilitazione Scientifica Nazionale a Professore Universitario di I Fascia (SC 05/H1 - ANATOMIA UMANA)
ASN	2014	MUR	Abilitazione Scientifica Nazionale a Professore Universitario di II Fascia (SC 05/H1 - ANATOMIA UMANA)
PhD	2007	Sapienza University of Rome	Doctoral Degree (Ph.D.) in Experimental and Clinical Hepatology
Licensure	2004	Sapienza University of Rome	License to practice medicine
University graduation	2003	Sapienza University of Rome	Master's Degree in Medicine and Surgery (110/110 <i>cum laude</i> )
High School graduation	1997	Istituto San Giovanni Evangelista, Rome, Italy	Liceo classico (60/60)

**Part III – Appointments**

**IIIA – Academic Appointments**

Start – End	Institution	Position
2022- Current	Department of Anatomical, Histological, Forensic Medicine and Orthopedic Sciences. Sapienza University of Rome, Rome, Italy	Associate Professor in Human Anatomy. SSD BIOS-12/A – Anatomia Umana (ex BIO/16)

2015-2022	Department of Motor, Human and Health Sciences, University of Rome "Foro Italico", Rome, Italy.	Associate Professor in Human Anatomy (SSD BIO/16 – Anatomia Umana)
2007 – 2015	Department of Motor, Human and Health Sciences, University of Rome "Foro Italico", Rome, Italy	Ricercatore a tempo indeterminato (RU) in Human Anatomy (SSD BIO/16 – Anatomia Umana)
Jan 2007 – Sept 2007	Department of Morphology and Molecular Pathology, Catholic University of Leuven, Belgium.	Research Fellow
2003 – 2007	Department of Human Anatomy. Sapienza University of Rome, Rome, Italy	PhD student in Experimental and Clinical Hepatology. Sapienza University of Rome, Italy.
2002 – 2003	Department of Human Anatomy. Sapienza University of Rome, Rome, Italy	Graduate student and thesis internship

### IIIB – Other Appointments

Start – End	Institution	Position
2024-present	Department of Anatomical, Histological, Forensic Medicine and Orthopedic Sciences. Sapienza University of Rome, Rome, Italy	Referente per la VQR 2020-2024 per il Dipartimento di Scienze Anatomiche, Istologiche, Medico Legali e dell'Apparato Locomotore
2023-present	COST Action Precision medicine in biliary tract cancer (CA22125)	Working Group Co-Leader and Management committee Member for Italy
2023-present	Department of Anatomical, Histological, Forensic Medicine and Orthopedic Sciences. Sapienza University of Rome, Rome, Italy	Componente del Nucleo di Valutazione dipartimentale
2022-present	Sapienza University of Rome, Rome, Italy	Referente del Centro per la Dissezione in Anatomia Umana, Department of Anatomical, Histological, Forensic Medicine and Orthopedic Sciences. Sapienza University of Rome, Rome, Italy
2022-present	Collegio dei Docenti di Anatomia Umana	Steering Committee Member (elected)
2022-present	Italian Society of Anatomy and Histology	Research Committee Member

2020-present	STITCH: Sapienza Information-Based Technology Innovation Center for Health	Steering Committee Member
2019-present	Sapienza University of Rome, Rome, Italy	Member of the "Collegio dei Docenti" of the PhD Course in "Epatogastroenterologia Sperimentale e Clinica"
2018-2024	European Network for the Study of Cholangiocarcinoma (ENSCCA)	Steering Committee Member
2019-2023	COST Action Euro-Cholangionet (CA18122)	Working Group Leader and Management committee Member for Italy
2015-2022	University of Rome "Foro Italico", Rome, Italy	Academic Tutor for the Erasmus Plus Project for Corso di Laurea Triennale di Scienze Motorie e Sportive
2016-2022	University of Rome "Foro Italico", Rome, Italy	Componente della Commissione per la consultazione con le organizzazioni rappresentative – a livello nazionale ed internazionale – della produzione di bene e servizi, delle professioni del CdCdLM68
2017-2018	University of Rome "Foro Italico", Rome, Italy	Componente del Gruppo Qualità del CdCdLM67
2013–2015	Sapienza University of Rome, Rome, Italy	Member of the Disciplinary Committee

#### Part IV – Teaching experience

Year	Institution	Lecture/Course
2022–present	Sapienza University of Rome, Rome, Italy	Anatomia Umana I (BIO/16, 1 CFU). Corso integrato di Anatomia Umana. Corso di Laurea Magistrale a ciclo unico in Medicina e Chirurgia "A" (abilitante all'esercizio della professione di Medico Chirurgo) - Roma Azienda Policlinico Umberto I (LM-41)
2022–present	Sapienza University of Rome, Rome, Italy	Anatomia Umana II (BIO/16, 1 CFU). Corso integrato di Anatomia Umana. Corso di Laurea Magistrale a ciclo unico in Medicina e chirurgia "A" (abilitante all'esercizio della professione di Medico Chirurgo) - Roma Azienda Policlinico Umberto I (LM-41)

2022-present	Sapienza University of Rome, Rome, Italy	Anatomia Umana III (BIO/16, 1 CFU). Corso integrato di Anatomia Umana. Corso di Laurea Magistrale a ciclo unico in Medicina e chirurgia "A" (abilitante all'esercizio della professione di Medico Chirurgo) - Roma Azienda Policlinico Umberto I (LM-41)
2022-present	Sapienza University of Rome, Rome, Italy	Anatomia Umana (BIO/16, 3 CFU). Corso Integrato di Anatomia e Fisiologia Generale. Corso di Laurea in Biotecnologie (L-2)
2022-present	Sapienza University of Rome, Rome, Italy	Anatomia umana (BIO/16, 3 CFU). Corso Integrato di Basi Morfologiche e Funzionali del Corpo Umano. Corso di Laurea in Tecniche di Laboratorio Biomedico (abilitante alla professione sanitaria di tecnico di laboratorio biomedico) - Sede di Roma Azienda Policlinico Umberto I (L/SNT3)
2022-present	Sapienza University of Rome, Rome, Italy	Anatomia umana (BIO/16, 3 CFU). Corso Integrato di Basi Anatomico-fisiologiche del Corpo Umano. Infermieristica (abilitante alla professione sanitaria di Infermiere) - Corso di Laurea A - Roma Azienda Policlinico Umberto I (L/SNT1)
2022-present	Sapienza University of Rome, Rome, Italy	Anatomia umana (BIO/16, 3 CFU). Corso Integrato di Fisiologia ed Anatomia. Corso di Laurea Magistrale in Biotecnologie Farmaceutiche (LM-9)
2022-present	Sapienza University of Rome, Rome, Italy	Istologia e Fisiologia Umana (BIO/17, 1 CFU - BIO/09, 2 CFU). Corso Integrato di Basi Morfologiche e Funzionali del Corpo Umano. Corso di Laurea in Tecniche di Fisiopatologia Cardiocircolatoria e Perfusionazione Cardiovascolare (abilitante alla professione sanitaria di tecnico di fisiopatologia cardiocircolatoria e perfusione cardiovascolare) - Sede di Roma Azienda Policlinico Umberto I (L/SNT3)
2022-present	Sapienza University of Rome, Rome, Italy	Organizzazione e supervisione di attività didattica dissettiva per studenti del Corso di Laurea Magistrale a ciclo unico in Medicina e Chirurgia e delle Scuole di Specializzazione in area medica
2022-present	Sapienza University of Rome, Rome, Italy	Anatomia Umana. Scuola di Specializzazione in Ortopedia e Traumatologia
2022-present	Sapienza University of Rome, Rome, Italy	Anatomia Umana. Scuola di Medicina dello Sport

2019- present	Sapienza University of Rome, Rome, Italy	Seminari nell'ambito del Corso di Dottorato in "Epatologia Gastroenterologia Sperimentale e Clinica"
2022-2024	Sapienza University of Rome, Rome, Italy	Anatomia Umana (BIO/16, 3 CFU). Corso di Laurea in Scienze Farmaceutiche Applicate (L-29)
2014-2022	University of Rome, "Foro Italico", Rome, Italy	Anatomia Applicata (BIO/16). Corso di Laurea Triennale di Scienze Motorie e Sportive (L22-02)
2012-2022	University of Rome, "Foro Italico", Rome, Italy	Anatomia Umana (BIO/16, 3 CFU). Corso integrato di Posturologia, Traumatologia e Rieducazione. Corso di Laurea Magistrale in Attività Motorie Preventive e Adattate (LM-67)
2012-2022	University of Rome, "Foro Italico", Rome, Italy	Anatomia Umana (BIO/16, 3 CFU). Corso integrato di Anatomia Funzionale e Traumatologia dello sport. Corso di Laurea Magistrale in Scienze e Tecniche dello Sport (LM-68)
2008-2022	University of Rome, "Foro Italico", Rome, Italy	Anatomia Umana applicata all'attività motorie ed antropometria (BIO/16, 12 CFU). Corso di Laurea Triennale di Scienze Motorie e Sportive (L-22)
2017-2021	Sapienza University of Rome, Rome, Italy	Insegnamento su "Anatomia e fisiologia del sistema venoso" in Master di I livello in "Accessi vascolari: management ed impianti in ambito ospedaliero e domiciliare"

## Part V - Society memberships, Awards and Honors

### V A – Society memberships

Year	Society Membership
2023–present	COST Action Precision medicine in biliary tract cancer (CA22125)
2017–present	Collegio dei Docenti di Anatomia Umana
2016–present	European Network for the Study of Cholangiocarcinoma (ENS-CCA)
2007–present	Società Italiana di Anatomia e Istologia (SIAI)
2019–2023	COST Action Euro-Cholangionet (CA18122)
2011	Associazione Italiana per lo Studio del Fegato (AISF)

## V B – Participation to Expert Committees or Consortia

Year	Consortium, Committee
2024	EASL Clinical Practice Guidelines for Extrahepatic Cholangiocarcinoma.
2021	HPB – Organoid Consortium
2020	Italian Clinical Practice Guidelines for Cholangiocarcinoma.
2018	The Cancer Genome Atlas (TCGA) research network

## V C – Awards and Honors

Year	Awards and Honors
2014	Distinguished PhD for the Solemn Ceremony for the 30th year of Doctorate at Sapienza University.
2013	Best Under 40 Researcher Award received from Italian Society of Anatomy and Histology.
2010	Best oral communication – Monothematic Conference: “The Pathologies of the Intra and Extra-Hepatic Biliary Tree” di A.I.S.F. Italian Association for the Study of the Liver.
2010	Best oral communication – XI meeting of Italian Societies of Gastroenterology and Endoscopy, Rome, Italy

## V D – Editorial board membership

Year	Journal	Role
2021–present	Frontiers in Medicine	Review editor
2022	Frontiers in Cell and Developmental Biology	Topic Editor for a special issue
2020	Cells	Guest Editor for a special issue
Present	Reviewer for several scientific journal such as Gastroenterology, Journal of Hepatology, Hepatology, Liver International, Gut, Antioxidants & Redox Signaling, PLOS One, Digestive and Liver Diseases.	Reviewer

**Part VI - Funding Information [grants as PI-principal investigator or I-investigator]****VIA – Grants as PI-principal investigator**

<b>Year</b>	<b>Title</b>	<b>Program</b>	<b>Grant value</b>
2020-2022	Impact of treatment with calcium-sulphate-bicarbonate water on liver steatosis and gut microbiota in NAFLD	FoRST - Fondazione per la Ricerca Scientifica Termale	€ 150,000.  Co-fin: € 90,000

**VIB – Grants as Investigator**

<b>Year</b>	<b>Title</b>	<b>Program</b>
2023-present	Precision medicine in biliary tract cancer	COST Action EU (CA22125). PI: Dr. Rocio Macias
2022–present	Rna based therapeutics in cancer: from discovery to pre-clinical studies ( <i>componente di massa critica</i> )	PNRR Centro Nazionale 3 – Spoke 2. PI: Prof. Alberto Boffi.
2022-present	D <sup>3</sup> 4 Health – Digital Driven Diagnostics. Prognostics and therapeutics for sustainable helath care ( <i>componente di massa critica</i> )	Fondo Complementare al PNRR – Spoke 1. PI: Carlo Catalano
2022-present	INNOVAtive tissue and non-invasive biomarkers for a precision medicine in CHOLANGIOcarcinoma: early diagnosis and therapeutic response of tumor subtypes	PRIN 2022 PNRR PI: Prof. Domenico Alvaro
2022–present	Creazione di un’infrastruttura di innovazione, servizio, formazione, terza missione e ricerca aperta e distribuita sul territorio, finalizzata a supportare la creazione e sviluppo di dispositivi medici	Progetto PNRR Rome Technopole - Progetto Flagship 4. PI: Prof. Livia Ottolenghi.
2019-2023	Euro-Cholangio-Net	COST Action EU (CA18122). PI: Prof. Vincenzo Cardinale
2023	Anatomical and spatial molecular phenotyping of cholangiocarcinoma	Progetti di ricerca medi, Sapienza Università di Roma. PI: Prof. Eugenio Gaudio.

2022	Anatomical and molecular characterization of liver and biliary tree stem cell niches and their role in human chronic liver diseases and cholangiocarcinoma	Progetti di ricerca medi, Sapienza Università di Roma. PI: Prof. Eugenio Gaudio.
2020	Role and activation mechanisms of Biliary and hepatic stem/progenitor cells during liver and biliary diseases.	Progetti di ricerca medi, Sapienza Università di Roma. PI: Prof. Antonio Franchitto.
2019	Hepatic and biliary stem/progenitor cells niches: role, activation mechanisms and their potential role in liver and biliary diseases	Progetti di ricerca medi, Sapienza Università di Roma. PI: Prof. Paolo Onori.
2015-2018	Implementation of patent “Multipotent Stem Cells from the Extrahepatic Biliary Tree and Methods of Isolating Same”	Sponsored Research Grant, Vesta Therapeutics, Inc.
2011-2016	Isolation of multipotent stem cells from extra-hepatic biliary tree and their differentiation in hepatic and pancreatic fate: preclinical studies and potential clinical application	MIUR - FIRB project 2010 PI: Prof. Eugenio Gaudio.
2015	Human hepatic and biliary stem/progenitor cells: their role in the pathogenesis of liver diseases and potential clinical applications in regenerative medicine of liver and pancreas	Progetti di Ricerca di Università Sapienza PI: Prof. Paolo Onori
2011-2014	Differentiation in vitro and in vivo of multipotent Stem Cells from Human Extrahepatic Biliary Tree in cholangiocytes, hepatocytes, pancreatic cells: detection of proliferation and differentiation phenotypic markers	MIUR - PRIN project 2009 PI: Prof. Eugenio Gaudio.
2014	Characterization, Isolation and Preservation of human hepatic and biliary stem/progenitor cells and their potential clinical applications in the regenerative medicine of liver and pancreas	Progetti di Ricerca di Università Sapienza PI: Prof. Eugenio Gaudio.
2013	Role of hepatic and biliary stem/progenitor cells in liver diseases and their possible role in regenerative Medicine	Progetti di Ricerca di Università Sapienza PI: Prof. Eugenio Gaudio.



2012	Isolation and characterization of Multipotent Biliary Stem Cells and Hepatic Progenitor Cells from human livers and their potential clinical applications	Progetti di Ricerca di Università Sapienza PI: Prof. Eugenio Gaudio.
2011	Inflammatory mediators and adipokines in Non Alcoholic Fatty Liver Disease: their role in the modulation of Hepatic Progenitor Cell niche and liver damaging and correlations with systemic inflammation and atherosclerotic lesions	Progetti di Ricerca di Università Sapienza PI: Prof. Eugenio Gaudio.
2008-2010	Role and mechanisms of IGF1 system in proliferation and activation of resident stem cell compartment in experimental models of liver damage and in chronic liver diseases.	MIUR - PRIN project 2007 PI: Prof. Eugenio Gaudio.
2006-2008	Role of IGF1 and IGF1 isoforms in the liver in the regulation of stem cells compartment and neoangiogenesis during liver damage	MIUR - PRIN project 2005 PI: Prof. Eugenio Gaudio.

## VI C – Other Fundings

2017	<i>FFABR (Fondo per il Finanziamento delle Attività Base di Ricerca)</i>
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## Part VII – Research Activities

### VII A – Research Activities

<b>Keywords</b>	<b>Brief Description</b>
Hepatic stem/progenitor cells; liver diseases; Liver steatosis, cholangiopathies; primary biliary cholangitis; steatotic liver disease	<b>Characterization of hepatic stem/progenitor cells (HpSCs) and their niche in liver diseases and in cholangiopathies</b> <ol style="list-style-type: none"> <li>1. Characterization of HpSC anatomical niche and cell phenotype in normal livers.</li> <li>2. Individuation of morphological and phenotypical modification of hepatic stem cell niche in the course of chronic liver (steatotic liver) and biliary (cholangiopathies) diseases</li> <li>3. Characterization of cell signaling pathways within HpSC niche and their role in regeneration under injury.</li> </ol>

	<ol style="list-style-type: none"> <li>4. Individuation of the pathogenetic role of hepatic stem cell activation in liver and biliary disease with particular reference to the fibrogenetic processes.</li> <li>5. Identification of clinical relevance of HpSC niche activation for prognostic and therapeutic insights including response to therapy prediction.</li> </ol>
<p>Biliary tree stem/progenitor cells; primary sclerosing cholangitis; lineage tracing; orthotopic liver transplantation</p>	<p><b>Identification of a novel niche of stem/progenitor cells within the biliary tree.</b></p> <ol style="list-style-type: none"> <li>1. Identification and characterization of a novel niche of stem/progenitor cells, namely Biliary Tre Stem Cells (BTSC) niche within peribiliary glands of the large intrahepatic bile ducts and extrahepatic biliary tree, including gallbladder.</li> <li>2. Isolation of BTSCs, identification and patenting of methods for isolation, cryopreservation, expansion, differentiation, and transplantation of those cells.</li> <li>3. Demonstration of the role of BTSCs in biliary epithelium regeneration by lineage tracing in a murine model of cholangiopathy (DDC).</li> <li>4. Description of cell signaling pathways driving BTSC activation and their role in liver diseases and cholangiopathies (i.e. primary sclerosing cholangitis, ischemic injury and non-anastomotic strictures after orthotopic liver transplantation).</li> </ol>
<p>Endoderm stem cells; liver; biliary tree; regenerative medicine; cell cultures</p>	<p><b>Anatomy of duodenal submucosal gland stem cell niches and their role in regenerative medicine of the liver.</b></p> <ol style="list-style-type: none"> <li>1. Identification of endoderm stem cell niches within the duodenum; immunophenotypical study of stem/progenitor cells and their niche <i>in situ</i>.</li> <li>2. Isolation of stem/progenitor cells from the duodenum and development of self-replicating culture conditions both on plastic and in 3D as organoids.</li> <li>3. Identification of culture conditions with the potential to induce differentiation of duodenal stem cells into mature hepatocytes <i>in vitro</i>, without the need for genetic reprogramming.</li> <li>4. Identification of regenerative potentiality of duodenal stem cells in <i>in vivo</i> experimental induced liver diseases</li> <li>5. Evaluation of the differentiative potential towards hepatic and pancreatic fate <i>in vivo</i> in animal models, both murine and porcine, by cell injection or by "Patch Graft" method.</li> </ol>

<p>Cholangiocarcinoma; biliary tract cancer; spatial molecular analysis; tumor microenvironment; tumor biomarkers</p>	<p><b>Characterization of anatomical and histological subtypes of cholangiocarcinoma and their relationship with duct of origin.</b></p> <ol style="list-style-type: none"> <li>1. Histomorphological and immunophenotypical characterization of cholangiocarcinoma anatomical subtypes and identification of histological subclasses with <b>distinct ducts of origin.</b></li> <li>2. <b>Guidelines for anatomic and histologic classification of tumor and definition of pre-clinical models</b></li> <li>3. Demonstration of BTSC niche involvement in the carcinogenesis.</li> <li>4. Description of tumor microenvironment and extracellular matrix in cholangiocarcinoma with the identification of soluble factors linked to tumor growth in specific subtypes.</li> <li>5. Individuation of tissue biomarkers of cholangiocarcinoma and individuation of cancer stem cell populations <i>in situ</i> and <i>in vitro</i>.</li> <li>6. Identification of molecular signatures of tumors with spatial molecular analysis and correlation with clinical data and patient prognosis.</li> <li>7. Participation to the Cancer Genome Atlas Project.</li> </ol>
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**VII B – Patents**

Year	Title	Number
2019	Stem/progenitor cells from duodenal brunner's glands and methods of isolating and using them. US patent application	20190300849
2018	Cryopreservation method. US patent application	20180295834
2014	Method of treating pancreatic and liver conditions by endoscopic-mediated (or laparoscopic-mediated) transplantation of stem cells into/onto bile duct walls of particular regions of the biliary tree.	20140301985.
2011	Multipotent Stem Cells from the Extrahepatic Biliary Tree and Methods of Isolating Same. Patent	20110135610.

**VII C – National and International Conferences**

Role	Year	Notes
Invited speaker	2024	Accademia Medica di Roma. Giornata A Tema: The Hepatic, Biliary, And Pancreatic Network Of Stem/Progenitor Cell Niches In Inflammatory And Neoplastic Diseases. Rome, Italy.

Invited speaker	2024	Mini-Symposium: New Technologies for the analysis of Interaction in Cellular Microenvironment. Bologna, Italy.
Invited speaker	2024	Sapienza Information-Based Technology InnovaTion Center for Health. Applied precision medicine: From tissue biomarkers to biosensors. Webinar.
Invited speaker	2024	IV ENS-CCA meeting, Krakow, Poland.
Invited speaker	2023	Il Salotto di Claudio: Colangite biliare primitiva: Stratificazione prognostico-terapeutica. Albano Laziale, Rome, Italy.
Session Chair	2023	AISF Monothematic Conference 2023. Liver oncology: from basic science to liver transplantation, Padua, Italy..
Invited speaker	2023	Tracking the challenge in cholangiocarcinoma: the italian contribute to the European network. Ancona, Italy.
Faculty Member Invited speaker	2023	Annual Meeting of European Association for the Study of the Liver (EASL). Cholestasis of unknown origin: management, advances and controversies. Vienna, Austria.
Organizing committee member	2023	COST Action CA18122 EURO-CHOLANGIO-NET Monothematic Conference "The Importance of Accurate Diagnosis and Classification of Cholangiocarcinoma". Rome, Italy.
Invited speaker	2023	Liver Academy (Webinar): La biopsia epatica nella diagnosi e stadiazione della PBC.
Oral Presentation	2023	76° Congress of the Italian Society of Anatomy and Histology (SIAI). Modena, Italy.
Invited speaker	2022	PBC Day 2022. Rome, Italy
Invited speaker	2022	III ENS-CCA meeting, Edinburgh, UK.
Oral Presentation	2022	75° Congress of the Italian Society of Anatomy and Histology (SIAI). Padua, Italy.
Oral Presentation	2022	46° ISMH Word Congress, Salsomaggiore Terme (PR), Italy
Invited speaker	2022	Nuove frontiere nella gestione clinico-terapeutica della colangite biliare primitiva, Rome, Italy.
Invited speaker	2021	Congresso Nazionale ANEMGI: Approccio al paziente con Disturbi cronici gastrointestinali: Come gestire la complessità delle malattie croniche gastrointestinali. Rome, Italy.
Session Chair	2021	EASL International Liver Congress 2021, Research Think Tank: Liver Tumours Workshop. On line Version.
Invited speaker	2021	PBC Day 2021, Napoli, Italia
Oral Presentation	2021	74° Congress of the Italian Society of Anatomy and Histology (SIAI). Bologna, Italy.

Invited speaker	2021	COST Action: Training school in novel experimental models for cholangiocarcinoma: from ex vivo patient-derived organoids to in vivo animal models. Online Edition.
Session Chair Faculty Member	2020	EASL Liver Cancer Summit 2020, Prague, Czech Republic.
Invited speaker	2020	Congresso Regionale S.I.S.A (Società Italiana per lo Studio dell'aterosclerosi) Regione Lazio. Online Edition.
Invited speaker Faculty Member	2019	Colangite biliare primitiva: Stato dell'Arte e Nuove Frontiere, Rome, Italy.
Invited speaker	2019	II Giornata Mondiale sulla NASH. Gli aspetti organizzativi dell'assistenza multidisciplinare del paziente con NAFLD/NASH. Sapienza Università di Roma, Rome, Italy.
Lectio Magistralis	2019	PBC Day 2019. Milan, Italy
Invited speaker	2019	COST Action CA18122 Meeting. La Valletta, Malta
Session Chair Oral Presentation	2019	73° Congress of the Italian Society of Anatomy and Histology (SIAI). Naples, Italy
Invited speaker	2018	II ENS-CCA meeting. Rome, Italy
Oral Presentation	2018	72° Congress of the Italian Society of Anatomy and Histology (SIAI). Parma, Italy
Invited speaker	2018	International PSC Study Group Meeting. Paris, France.
Oral Presentation	2017	71° Congress of the Italian Society of Anatomy and Histology (SIAI). Taormina (MS), Italia.
Invited speaker	2017	Simposio: La dissezione anatomica su cadavere nell'educazione medica e chirurgica. Milan, Italy.
Invited speaker	2017	IV Congresso Nazionale: la Medicina Legale dei livelli essenziali di assistenza. Rome, Italy
Invited speaker	2017	Scuola di Epatologia AISF. Master Class 2017. Epatologia pediatrica e di transizione. Rome, Italy
Oral Presentation	2016	70° Congress of the Italian Society of Anatomy and Histology (SIAI). Rome, Italy.
Invited speaker	2016	I ENS-CCA meeting, San Sebastian, Spain.
Oral Presentation	2015	69° Congress of the Italian Society of Anatomy and Histology (SIAI). Ferrara, Italy
Invited Speaker Faculty Member	2015	EASL International Liver Congress. Vienna, Austria.
Oral Presentation	2014	68° Congress of the Italian Society of Anatomy and Histology (SIAI) (SIAI). Ancona, Italy.

Invited Speaker	2014	Summer School S.I.S.A. Genetica e Aterosclerosi. Sabaudia (LT), Italy.
Invited Speaker	2014	International PSC Study Group Meeting. Amsterdam, The Netherlands.
Invited Speaker	2014	Workshop teorico-pratico. La microscopia confocale nello studio dei mitocondri. Urbino, Italy.
Invited Speaker	2013	Le Giornate Genovesi della Chirurgia Italiana. Genova, Italy.
Oral Presentation	2013	67° Congress of the Italian Society of Anatomy and Histology (SIAI), Brescia, Italy.
Oral Presentation	2012	66° Congress of the Italian Society of Anatomy and Histology (SIAI). Pistoia, Italy.
Oral Presentation	2012	EASL International Liver Congress, Barcellona, Spain.
Oral Presentation	2011	III Congresso Chirurgia Italia – Cuba - New Technologies in Surgery. Live Surgery. La Habana, Cuba.
Oral Presentation	2011	65° Congress of the Italian Society of Anatomy and Histology (SIAI). Padua, Italy.
Oral Presentation	2011	34° National Congress of the Italian Society of Histochemistry, San Benedetto del Tronto (An), Italy.
Oral Presentation	2010	II Congresso Chirurgia Italia – Cuba - New Technologies in Surgery. La Habana, Cuba.
Oral Presentation	2010	Riunione Monotematica Associazione Italiana per lo Studio del Fegato, Rome, Italy.
Oral Presentation	2010	XI Convegno Regionale Trisocietario di Gastroenterologia ed Endoscopia Digestiva. Rome, Italy.
Oral Presentation	2010	64° Congress of the Italian Society of Anatomy and Histology (SIAI). Messina-Taormina, Italy
Oral Presentation	2008	62° Congress of the Italian Society of Anatomy and Histology (SIAI). Verona, Italy
Oral Presentation	2007	1st Landsberg Symposium on Mechanisms of Fibrogenesis in Chronic Liver Diseases. Essen, Germany.
Oral Presentation	2006	60° Congress of the Italian Society of Anatomy and Histology (SIAI). Pavia, Italy.
Oral Presentation	2005	59° Congress of the Italian Society of Anatomy and Histology (SIAI). Sorrento (NA), Italy.

## VII D – Research experience in International Research Institutions

- 2017 Visiting researcher (25/6/17-1/7/2017), Department of Cell Biology and Physiology. University of North Carolina at Chapel Hill, Chapel Hill, NC, USA (Prof. Lola Reid).
- 2007 Research Fellow (07/1/07-31/8/2007), Department of Morphology and Molecular Pathology, (Prof. Tania Roskams), Katholieke Universiteit Leuven (KU Leuven), Belgio.

## Part VIII – Books and Chapters in Books

### VIII A – Books

Year	Book title, Editor and ISBN	Role
2023	Netter - Guida all' Atlante di Anatomia Umana. Editore: Edra. ISBN: 9788821457159	Author
2023	Tennis e anatomia umana - Manuale illustrato per migliorare forza, velocità, potenza, e movimento nel tennis. Autori: Roetert – Kovacs. Editore: Piccin. ISBN: 9788829934096	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2023	Netter Atlante di anatomia umana - Selezione tavole per Scienze motorie e fisioterapia VIII Ed. Editore: Edi-Ermes. ISBN:9788870518368	Table Selection
2023	Prometheus – Atlante di Anatomia Edizione Italiana. Editore: EdiSES. ISBN: 9788836231539	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2022	Allenamento funzionale e anatomia umana. Autori: Carr – Feit. Editore: Piccin ISBN: 9788829933273	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2022	Atlante di neuroscienze di Netter di Netter – Felten – O 'Banion – Maida. Editore: Edra. ISBN: 9788821456299	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2020	Anatomia umana e movimento - Anatomia umana generale e anatomia funzionale dell' apparato locomotore. Soames – Palastanga. Editore: Edra. ISBN: 9788821451270	Italian Edition Curator (Curatore della traduzione e della edizione italiana)

2020	Prometheus – Testo Atlante di Anatomia – Testa, Collo e Neuroanatomia. Editore: EdiSES. ISBN 9788836230006	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2019	Netter. Atlante anatomia umana. Scienze motorie e fisioterapia, VI Ed. Editore: Edra. 9788821450501	Table Selection
2017	Atlante di neuroscienze di Netter di Netter – Felten – O 'Banion – Maida. Editore: Edra. ISBN: 9788821443695	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2017	Anatomia Umana. Raccolta di quesiti a risposta multipla per la verifica e l'autoverifica degli apprendimenti. SSD BIO-16. Editore: EdiSES ISBN: 9788879599740	Author
2016	Visual Anatomia e Fisiologia di Martini - Ober - Nath – Bartholomew. Editore: EdiSES. ISBN: 9788879599139	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2016	Topografia e Funzione dell'Apparato Locomotore. M. Schünke. Editore: Edises. ISBN: 9788879598880	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2015	Netter. Atlante anatomia umana. Scienze motorie e fisioterapia, V Ed. Editore: Edra. ISBN: 9788821440168	Table Selection
2015	Prometheus – Testo Atlante di Anatomia – Testa, Collo e Neuroanatomia. Editore: EdiSES. ISBN 9788879598491	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2013	Prometheus – Atlante di Anatomia Edizione Italiana. Editore: EdiSES. ISBN 9788879597975	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2011	Istituzioni di Anatomia dell'Uomo di Giulio Chiarugi XII edizione - Sistema Nervoso Centrale. Editore: Piccin. ISBN: 978-88-299-2158-4.	Author
2009	Atlante di Anatomia – Prometheus Università. Editore: UTET. ISBN: 978-88-02-08155-7	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2007	Prometheus. Atlante di anatomia. Testa, sistema nervoso. Editore: UTET. ISBN: 8802076294	Italian Edition Curator (Curatore della traduzione e della edizione italiana)



2006	Prometheus Atlante di anatomia – Collo, Torace, Addome e Pelvi. Editore: UTET. ISBN: 8802062749	Italian Edition Curator (Curatore della traduzione e della edizione italiana)
2005	Prometheus. Atlante di anatomia. Anatomia generale, apparato locomotore. Editore: UTET. ISBN: 8802071934	Italian Edition Curator (Curatore della traduzione e della edizione italiana)

### VIII B – Chapters in Books

Year	Title	Book
2024	<i>Chapter 19 - Cholestatic diseases.</i> Authors: <b>Carpino G</b> , Ceci L, Kennedy L, Gaudio E, Baiocchi L.	Sinusoidal Cells in Liver Diseases Role in their Pathophysiology, Diagnosis, and Treatment. Editor: Elsevier. ISBN: 9780323952620.
2021	<i>Aspetti anatomo-patologici, cellulari e ultrastrutturali dell'aterosclerosi.</i> Authors: Gaudio E, <b>Carpino G</b> .	Aterosclerosi. Volume monografico della società italiana per lo studio dell'aterosclerosi. Editor: EdiMED. ISBN: 2240-4821
2020	<i>Stem Cell-Fueled Maturational Lineages in Hepatic and Pancreatic Organogenesis.</i> Authors: Zhang W, Allen A, Wauthier E, Yi X, Hani H, Sethupathy P, Gerber D, Cardinale V, <b>Carpino G</b> , Dominguez-Bendala J, Lanzoni G, Alvaro D, Gaudio E, Reid L	The Liver: Biology and Pathobiology. Editor: Wiley. ISBN: 9781119436829
2019	<i>Pancreas progenitors.</i> Authors: <b>Carpino G</b> , Cardinale V, Gaudio E, Alvaro D.	Transplantation, Bioengineering, and Regeneration of the Endocrine Pancreas. Editor: Elsevier. ISBN: 9780128148310
2014	<i>Anatomic Aspects of Bone Ossification and their Magnetic Resonance Counterparts.</i> Authors: <b>Carpino G</b> , Tomei E, Semelka R, Gaudio E.	Text-Atlas of Skeletal Age Determination MRI of the Hand and Wrist in Children. Editor: Blackwell. ISBN: 9781118692271.
2013	<i>Stem Cell Populations Giving Rise to Liver, Biliary Tree, and Pancreas.</i> Authors: Furth M, Wang Y, Cardinale V, <b>Carpino G</b> , Lanzoni G, Cui C, Wauthier E, Gerber D, Oikawa T, Dominguez-Bendala J, Inverardi L, Alvaro D, Gaudio E, Reid L.	Stem Cells Handbook. II edition. Editor: Springer. ISBN: 978-1-4614-7695-5.

2010	<i>Cenni di anatomia, embriologia e fisiologia dell'apparato cardiovascolare.</i> Authors: Gaudio E, <b>Carpino G.</b>	Patologia integrata medico-chirurgica 1. Vol. 1: Malattie dell'apparato cardiovascolare. Editor: Nuova Cultura. ISBN: 8861344666.
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## Part IX– Summary of Scientific Achievements

Research output was calculated based on Scopus database. Impact factor was obtained from Journal Citation Reports (JCR) – Clarivate based on the year of publication of each paper. Latest JCR update: 2023.

### Bibliometric Indexes – Past 10 years (2014-2024)

Total Publications	135
Total Impact factor (IF)	1455.8
Average IF	10.78
Total IF as prominent author*	292.5 (n=36)
Average IF as first/co-first author	8.124
Total Citations	25719
Average Citations per Product	190
Hirsch (H) index	51

\*first, last, corresponding author

### Bibliometric Indexes – Career (2004-2024)

Product type	Number	Database	Start	End
<b>Papers</b>	195	Scopus	2004	2024
<b>Total Impact Factor</b>	1719.1	JCR	2004	2024
<b>H-Index</b>	63	Scopus	2004	2024
<b>Total Citations</b>	28998	Scopus	2004	2024

## Part IX–Publications

### List of the selected publications for the evaluation (n= 16).

Citations were obtained from Scopus. Impact factor (IF) and Journal Quartile (Q) were obtained from Journal Citation Reports (JCR) – Clarivate based on the year of publication of each paper.

Publications	Citations	IF (Q)
1. Kendall T, Overi D, Guido M, Braconi C, Banales JM, Cardinale V, Gaudio E, Koerkamp BG, <b>Carpino G</b> . <i>Recommendations on maximizing the clinical value of tissue in the management of patients with intrahepatic cholangiocarcinoma.</i> <b>JHEP Rep. 2024 Mar 12;6(6):101067.</b>	0	9.5 (Q1)
2. Cardinale V, <b>Carpino G*</b> , Overi D, Safarikia S, Zhang W, Kanke M, Franchitto A, Costantini D, Riccioni O, Nevi L, Chiappetta M, Onori P, Franchitto M, Bini S, Hung YH, Lai Q, Zizzari I, Nuti M, Nicoletti C, Checquolo S, Di Magno L, Giuli MV, Rossi M, Sethupathy P, Reid LM, Alvaro D, Gaudio E. *corresponding author and co-first author <i>Human duodenal submucosal glands contain a defined stem/progenitor subpopulation with liver-specific regenerative potential.</i> <b>Journal of Hepatology. 2023 Jan;78(1):165-179.</b>	6	26.8 (Q1)
3. Calvisi DF, Boulter L, Vaquero J, Saborowski A, Fabris L, Rodrigues PM, Coulouarn C, Castro RE, Segatto O, Raggi C, van der Laan LJW, <b>Carpino G</b> , Goepfert B, Roessler S, Kendall TJ, Evert M, Gonzalez-Sanchez E, Valle JW, Vogel A, Bridgewater J, Borad MJ, Gores GJ, Roberts LR, Marin JJG, Andersen JB, Alvaro D, Forner A, Banales JM, Cardinale V, Macias RIR, Vicent S, Chen X, Braconi C, Verstegen MMA, Fouassier L; CCA Model Consortium. <i>Criteria for preclinical models of cholangiocarcinoma: scientific and medical relevance.</i> <b>Nat Rev Gastroenterol Hepatol. 2023 Jul;20(7):462-480.</b>	13	45.9 (Q1)
4. Macias RIR, Cardinale V, Kendall TJ, Avila MA, Guido M, Coulouarn C, Braconi C, Frampton AE, Bridgewater J, Overi D, Pereira SP, Rengo M, Kather JN, Lamarca A, Pedica F, Forner A, Valle JW, Gaudio E, Alvaro D, Banales JM, <b>Carpino G</b> . <i>Clinical relevance of biomarkers in cholangiocarcinoma: critical revision and future directions.</i> <b>Gut. 2022 Aug;71(8):1669-1683.</b>	33	24.5 (Q1)
5. <b>Carpino G</b> , Cardinale V, Di Giamberardino A, Overi D, Donsante S, Colasanti T, Amato G, Mennini G, Franchitto M, Conti F, Rossi M, Riminucci M, Gaudio E, Alvaro D, Mancone C.	46	30.08 (Q1)

	<i>Thrombospondin 1 and 2 along with PEDF inhibit angiogenesis and promote lymphangiogenesis in intrahepatic cholangiocarcinoma.</i> <b>Journal of Hepatology.</b> 2021 Dec;75(6):1377-1386		
6.	<b>Carpino G</b> , Del Ben M, Pastori D, Carnevale R, Baratta F, Overi D, Francis H, Cardinale V, Onori P, Safarikia S, Cammisotto V, Alvaro D, Svegliati-Baroni G, Angelico F, Gaudio E, Violi F. <i>Increased liver localization of lipopolysaccharides in human and experimental non-alcoholic fatty liver disease.</i> <b>Hepatology.</b> 2020 Aug 72(2):470-485.	230	17.43 (Q1)
7.	Banales JM, Marin JJG, Lamarca A, Rodrigues PM, Khan SA, Roberts LR, Cardinale V, <b>Carpino G</b> , Andersen JB, Braconi C, Calvisi DF, Perugorria MJ, Fabris L, Boulter L, Macias RIR, Gaudio E, Alvaro D, Gradilone SA, Strazzabosco M, Marzioni M, Coulouarn C, Fouassier L, Raggi C, Invernizzi P, Mertens JC, Moncsek A, Ilyas SI, Heimbach J, Koerkamp BG, Bruix J, Forner A, Bridgewater J, Valle JW, Gores GJ. <i>Cholangiocarcinoma 2020: the next horizon in mechanisms and management.</i> <b>Nat Rev Gastroenterol Hepatol.</b> 2020 Sep;17(9):557-588.	1,265	46.802 (Q1)
8.	<b>Carpino G</b> , Nevi L, Overi D, Cardinale V, Lu WY, Di Matteo S, Safarikia S, Berloco PB, Venere R, Onori P, Franchitto A, Forbes SJ, Alvaro D, Gaudio E. <i>Peribiliary gland niche participates in biliary tree regeneration in mouse and in human primary sclerosing cholangitis.</i> <b>Hepatology.</b> 2020 Mar;71(3):972-989.	43	17.43 (Q1)
9.	Kendall T, Verheij J, Gaudio E, Evert M, Guido M, Goepfert B, <b>Carpino G</b> . <i>Anatomical, histomorphological and molecular classification of cholangiocarcinoma.</i> <b>Liver Int.</b> 2019 May;39 Suppl 1:7-18.	217	5.175 (Q1)
10.	<b>Carpino G</b> , Cardinale V, Folseraas T, Overi D, Grzyb K, Costantini D, Berloco PB, Di Matteo S, Karlsen TH, Alvaro D, Gaudio E. <i>Neoplastic transformation of peribiliary stem cell niche in cholangiocarcinoma arisen in primary sclerosing cholangitis.</i> <b>Hepatology.</b> 2019 Feb;69(2):622-638.	49	14.68 (Q1)
11.	<b>Carpino G</b> , Cardinale V, Folseraas T, Overi D, Floreani A, Franchitto A, Onori P, Cazzagon N, Berloco P, Karlsen TH, Alvaro D, Gaudio E. <i>Hepatic Stem/Progenitor Cell Activation Differs between Primary Sclerosing and Primary Biliary Cholangitis.</i> <b>Am J Pathol.</b> 2018 Mar;188(3):627-639.	60	3.8 (Q1)

12. <b>Carpino G</b> , Pastori D, Baratta F, Overi D, Labbadia G, Polimeni L, Di Costanzo A, Pannitteri G, Carnevale R, Del Ben M, Arca M, Violi F, Angelico F, Gaudio E. <i>PNPLA3 variant and portal/periportal histological pattern in patients with biopsy-proven non-alcoholic fatty liver disease: a possible role for oxidative stress.</i> <b>Sci Rep. 2017 Nov 17;7(1):15756.</b>	51	4.12 (Q1)
13. Banales JM, Cardinale V, <b>Carpino G</b> , Marzioni M, Andersen JB, Invernizzi P, Lind GE, Folseraas T, Forbes SJ, Fouassier L, Geier A, Calvisi DF, Mertens JC, Trauner M, Benedetti A, Maroni L, Vaquero J, Macias RI, Raggi C, Perugorria MJ, Gaudio E, Boberg KM, Marin JJ, Alvaro D. <i>Expert consensus document: Cholangiocarcinoma: current knowledge and future perspectives consensus statement from the European Network for the Study of Cholangiocarcinoma (ENS-CCA).</i> <b>Nat Rev Gastroenterol Hepatol. 2016 May;13(5):261-80.</b>	963	13.378 (Q1)
14. Lanzoni G, Cardinale V, <b>Carpino G</b> . <i>The hepatic, biliary, and pancreatic network of stem/progenitor cell niches in humans: A new reference frame for disease and regeneration.</i> <b>Hepatology. 2016 Jul;64(1):277-86.</b>	119	13.246 (Q1)
15. <b>Carpino G</b> , Cardinale V, Renzi A, Hov JR, Berloco PB, Rossi M, Karlsen TH, Alvaro D, Gaudio E. <i>Activation of biliary tree stem cells within peribiliary glands in primary sclerosing cholangitis</i> <b>J Hepatol. 2015 Nov;63(5):1220-8.</b>	102	10.59 (Q1)
16. <b>Carpino G</b> , Cardinale V, Gentile R, Onori P, Semeraro R, Franchitto A, Wang Y, Bosco D, Iossa A, Napoletano C, Cantafora A, D'Argenio G, Nuti M, Caporaso N, Berloco P, Venere R, Oikawa T, Reid L, Alvaro D, Gaudio E. <i>Evidence for multipotent endodermal stem/progenitor cell populations in human gallbladder.</i> <b>J Hepatol. 2014 Jun;60(6):1194-202.</b>	60	11.336 (Q1)
<b>Total</b>	<b>3257.00</b>	<b>294.77</b>
<b>Average</b>	<b>203.56</b>	<b>18.42</b>
<b>First, Last, Corresponding Author</b>	<b>13/16</b>	

## Complete list of publications in international, peer-reviewed journals

Impact factor (IF) was obtained from Journal Citation Reports (JCR) – Clarivate based on the year of publication of each paper.

Publications	JCR IF
<p><b>195</b> Schirone L, Overi D, <b>Carpino G</b>, Carnevale R, De Falco E, Nocella C, D'Amico A, Bartimoccia S, Cammisotto V, Castellani V, Frati G, Sciarretta S, Gaudio E, Pignatelli P, Alvaro D, Violi F. Oleuropein, a Component of Extra Virgin Olive Oil, Improves Liver Steatosis and Lobular Inflammation by Lipopolysaccharides-TLR4 Axis Downregulation. <i>Int J Mol Sci.</i> 2024 May 21;25(11):5580</p>	4.9
<p><b>194</b> Kendall T, Overi D, Guido M, Braconi C, Banales JM, Cardinale V, Gaudio E, Koerkamp BG, <b>Carpino G</b>. Recommendations maximizing the clinical value of tissue in the management of patients with intrahepatic cholangiocarcinoma. <i>JHEP Rep.</i> 2024 Mar 12;6(6):101067</p>	9.5
<p><b>193</b> Field DT, <b>Carpino G</b>, Doukas M, Kendall TJ. The morphomolecular features of cholangiocarcinoma in the personalised era. <i>Diagnostic Histopathology</i> 2024 Apr; 30(4):237-251</p>	
<p><b>192</b> de Franchis V, Petrunaro S, Pizzichini E, Camerini S, Casella M, Somma F, Mandolini E, <b>Carpino G</b>, Overi D, Cardinale V, Facchiano A, Filippini A, Gaudio E, Fabrizi C, Giampietri C. Cholangiocarcinoma malignant traits are promoted by Schwann cells through TGFβ signaling in a model of perineural invasion. <i>Cells.</i> 2024 Feb 20;13(5):366</p>	5.1
<p><b>191</b> O'Rourke CJ, Salati M, Rae C, <b>Carpino G</b>, Leslie H, Pea A, Prete MG, Bonetti LR, Amato F, Montal R, Upstill-Goddard R, Nixon C, Sanchon-Sanchez P, Kunderfranco P, Sia D, Gaudio E, Overi D, Cascinu S, Hogdall D, Pugh S, Domingo E, Primrose JN, Bridgewater J, Spallanzani A, Gelsomino F, Llovet JM, Calvisi DF, Boulter L, Caputo F, Lleo A, Jamieson NB, Luppi G, Dominici M, Andersen JB, Braconi C. Molecular portraits of patients with intrahepatic cholangiocarcinoma who diverge as rapid progressors or long survivors on chemotherapy. <i>Gut.</i> 2024 Feb 23;73(3):496-508</p>	23.0
<p><b>190</b> Gioia S, Carnevale R, Tavano D, Overi D, Ridola L, Nardelli S, Merli M, d'Amati G, Pellicelli A, Cardinale V, Giannelli V, Baiocchini A, Riggio O, Gaudio E, <b>Carpino G</b>. Association between gut-derived endotoxins and porto-sinusoidal vascular disorder with portal hypertension. <i>Alimentary Pharmacology &amp; Therapeutics.</i> 2023 Dec;58(11-12):1205-1216</p>	6.6
<p><b>189</b> Besharat ZM, Trocchianesi S, Verrienti A, Ciampi R, Cantara S, Romei C, Sabato C, Noviello TMR, Po A, Citarella A, Caruso FP, Panariello I, Gianno F, <b>Carpino G</b>, Gaudio E, Chiacchiarini M, Masuelli L, Sponziello M, Pecce V, Ramone T, Maino F, Dotta F, Ceccarelli M, Pezzullo L, Durante C, Castagna MG, Elisei R, Ferretti E. Circulating miR-26b-5p and miR-451a as diagnostic biomarkers in medullary thyroid carcinoma patients. <i>J Endocrinol Invest</i> 2023 Dec;46(12):2583-2599</p>	3.9

188	Owen T, <b>Carpino G</b> , Chen L, Kundu D, Wills P, Ekser B, Onori P, Gaudio E, Alpini G, Francis H, Kennedy L. Endothelin Receptor-A Inhibition Decreases Ductular Reaction, Liver Fibrosis, and Angiogenesis in a Model of Cholangitis. <i>Cell Mol Gastroenterol Hepatol.</i> 2023;16(4):513-540.	7.1
187	<b>Carpino G</b> , Cardinale V, Carbone M. Reply to: "Ductular reaction is a prognostic factor in primary biliary cholangitis". <i>JHEP Rep.</i> 2023 May 3;5(8):100786	9.5
186	Cardinale V, Lanthier N, Baptista PM, <b>Carpino G</b> , Carnevale G, Orlando G, Angelico R, Manzia TM, Schuppan D, Pinzani M, Alvaro D, Ciccocioppo R, Uygun BE. Cell transplantation-based regenerative medicine in liver diseases. <i>Stem Cell Reports.</i> 2023 Aug 8;18(8):1555-1572	5.9
185	Zhang W, Wang X, Lanzoni G, Wauthier E, Simpson S, Ezzell JA, Allen A, Suitt C, Krolik J, Jhirad A, Dominguez-Bendala J, Cardinale V, Alvaro D, Overi D, Gaudio E, Sethupathy P, <b>Carpino G</b> , Adin C, Piedrahita JA, Mathews K, He Z, Reid LM. A postnatal network of co-hepato/pancreatic stem/progenitors in the biliary trees of pigs and humans. <i>NPJ Regenerative Medicine.</i> 2023 Aug 1;8(1):40	6.4
184	Meadows V, Marakovits C, Ekser B, Kundu D, Zhou T, Kyritsi K, Pham L, Chen L, Kennedy L, Ceci L, Wu N, <b>Carpino G</b> , Zhang W, Isidan A, Meyer A, Owen T, Gaudio E, Onori P, Alpini G, Francis H. Loss of apical sodium bile acid transporter alters bile acid circulation and reduces biliary damage in cholangitis. <i>Am J Physiol Gastrointest Liver Physiol.</i> 2023 Jan 1;324(1):G60-G77.	3.9
183	Kyritsi K, Wu N, Zhou T, <b>Carpino G</b> , Baiocchi L, Kennedy L, Chen L, Ceci L, Meyer AA, Barupala N, Franchitto A, Onori P, Ekser B, Gaudio E, Wu C, Marakovits C, Chakraborty S, Francis H, Glaser S, Alpini G. Knockout of secretin ameliorates biliary and liver phenotypes during alcohol-induced hepatotoxicity. <i>Cell Biosci.</i> 2023 Jan 9;13(1):5	6.1
182	Calvisi DF, Boulter L, Vaquero J, Saborowski A, Fabris L, Rodrigues PM, Coulouarn C, Castro RE, Segatto O, Raggi C, van der Laan LJW, <b>Carpino G</b> , Goepfert B, Roessler S, Kendall TJ, Evert M, Gonzalez-Sanchez E, Valle JW, Vogel A, Bridgewater J, Borad MJ, Gores GJ, Roberts LR, Marin JJG, Andersen JB, Alvaro D, Forner A, Banales JM, Cardinale V, Macias RIR, Vicent S, Chen X, Braconi C, Verstegen MMA, Fouassier L; CCA Model Consortium. Criteria for preclinical models of cholangiocarcinoma: scientific and medical relevance. <i>Nat Rev Gastroenterol Hepatol.</i> 2023 Jul;20(7):462-480	45.9
181	Kundu D, Kennedy L, Zhou T, Ekser B, Meadows V, Sybenga A, Kyritsi K, Chen L, Ceci L, Wu N, Wu C, Glaser S, <b>Carpino G</b> , Onori P, Gaudio E, Alpini G, Francis H. p16 INK4A drives nonalcoholic fatty liver disease phenotypes in high fat diet fed mice through biliary E2F1/FOXO1/IGF-1 signaling. <i>Hepatology.</i> 2023 Jul 1;78(1):243-257	12.9
180	Wu N, Zhou T, <b>Carpino G</b> , Baiocchi L, Kyritsi K, Kennedy L, Ceci L, Chen L, Wu C, Kundu D, Barupala N, Franchitto A, Onori P, Ekser B, Gaudio E, Francis H, Glaser S, Alpini G. Prolonged administration of a secretin receptor antagonist inhibits biliary senescence and liver fibrosis in Mdr2 -/- mice. <i>Hepatology.</i> 2023 Jun 1;77(6):1849-1865	12.9

179	Kennedy L, <b>Carpino G</b> , Owen T, Ceci L, Kundu D, Meadows V, Kyritsi K, Franchitto A, Onori P, Isidan A, Zhang W, Ekser B, Alvaro D, Gaudio E, Gershwin ME, Francis H, Glaser S, Alpini G. Secretin alleviates biliary and liver injury during late-stage primary biliary cholangitis via restoration of secretory processes. <i>Journal of Hepatology</i> 2023 Jan;78(1):99-113	26.8
178	Cardinale V, <b>Carpino G</b> , Overi D, Safarikia S, Zhang W, Kanke M, Franchitto A, Costantini D, Riccioni O, Nevi L, Chiappetta M, Onori P, Franchitto M, Bini S, Hung YH, Lai Q, Zizzari I, Nuti M, Nicoletti C, Checquolo S, Di Magno L, Giuli MV, Rossi M, Sethupathy P, Reid LM, Alvaro D, Gaudio E. Human duodenal submucosal glands contain a defined stem/progenitor subpopulation with liver-specific regenerative potential. <i>Journal of Hepatology</i> . 2023 Jan;78(1):165-179	26.8
177	Zhou T, Meadows V, Kundu D, Kyritsi K, Owen T, Ceci L, <b>Carpino G</b> , Onori P, Gaudio E, Wu N, Glaser S, Ekser B, Alpini G, Kennedy L, Francis H. Mast cells selectively target large cholangiocytes during biliary injury via H2HR-mediated cAMP/pERK1/2 signaling. <i>Hepatol Commun</i> . 2022 Oct;6(10):2715-2731	5.1
176	Ceci L, Chen L, Baiocchi L, Wu N, Kennedy L, <b>Carpino G</b> , Kyritsi K, Zhou T, Owen T, Kundu D, Sybenga A, Isidan A, Ekser B, Franchitto A, Onori P, Gaudio E, Mancinelli R, Francis H, Alpini G, Glaser S. Prolonged Administration of Melatonin Ameliorates Liver Phenotypes in Cholestatic Murine Model. <i>Cell Mol Gastroenterol Hepatol</i> . 2022;14(4):877-904	7.2
175	Zhang W, <b>Carpino G</b> , Wangenstein KJ, Yan H, He Z. Editorial: Cell therapy, liver diseases, and regeneration. <i>Front Cell Dev Biol</i> . 2022 Sep 5;10:999305	5.5
174	<b>Carpino G</b> , Overi D, Onori P, Franchitto A, Cardinale V, Alvaro D, Gaudio E. Effect of Calcium-Sulphate-Bicarbonate Water in a Murine Model of Non-Alcoholic Fatty Liver Disease: A Histopathology Study. <i>International Journal of Molecular Sciences</i> . 2022 Sep 2;23(17):10065	5.6
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I authorize the processing of personal data present in the CV pursuant to Legislative Decree 101/2018 and of the GDPR (EU Regulation 2016/679).

Il presente documento è composto di N= 43 pagine. Ai sensi dell'art. 46 e 47 del DPR 445/2000, dichiaro che le informazioni riportate nel presente CV corrispondono a verità, essendo consapevole dell'eventuale applicazione dell'art.76 dello stesso articolo in caso di dichiarazione mendace.

Rome, 01/08/2024

Guido Carpino