



Popa Călin

Work : str. Croitorilor nr. 19-21, Cluj-Napoca, Romania

Email: calinp2003@yahoo.com **Phone**: (+40) 743578432

Date of birth: 10/07/1987 **Nationality**: Romanian

WORK EXPERIENCE

[31/12/2018 – Current]

Surgeon - General Surgery

*Regional Institute of Gastroenterology and Hepatology Prof. Dr. Octavian Fodor
Cluj-Napoca*

City: Cluj-Napoca

Country: Romania

[04/10/2020 – Current]

Assistant professor

University of Medicine and Pharmacy "Iuliu Hațieganu"

City: Cluj-Napoca

[2012 – Current]

President

Training and Research Center "Prof. Dr. Sergiu Duca"

City: Cluj-Napoca

Country: Romania

www.centrussergiuduca.ro

[12/2012 – 12/2018]

Resident doctor - General Surgery

*Regional Institute of Gastroenterology and Hepatology Prof. Dr. Octavian Fodor
Cluj-Napoca*

City: Cluj-Napoca

Country: Romania

[2009 – 2011]

President

The Students' Surgical Society from Romania

City: Cluj-Napoca

Country: Romania

[2008 – 2010]

Vice-President

The Students' Surgical Society from Romania

City: Cluj-Napoca

Country: Romania

EDUCATION AND TRAINING

[09/2011 – 06/2018]

Law Degree

University "Dimitrie Cantemir", Cluj Napoca - Faculty of Law

- [24/10/2022 – 28/10/2022] **Training mobility**
Department of Esophageal Surgery - Amsterdam UMC Center (Prof. S. Gisberz)
- [16/05/2022 – 20/05/2022] **Training Mobility**
IRCCS Policlinico San Donato, Milano (Prof. Dr. Luigi Bonavina) - Esophageal Surgery Department
Address: Italy
- [03/01/2022 – 07/01/2022] **Training mobility**
Centre Hospitalier Universitaire de Grenoble (Prof. Dr. Mircea Chirica)
Address: France
- [2019] **Surgical Oncology Competency**
Romanian Ministry of Health
- [2019] **General Ultrasonography Competency**
Romanian Ministry of Health
- [2018] **Advanced Laparoscopy Competency**
Romanian Ministry of Health
- [09/2015 – 09/2019] **Cotutelle PhD - Biological and biomedical sciences - Veterinary Medicine & General Medicine**
Address: University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Iuliu Hatieganu University of Medicine and Pharmacy Cluj-Napoca
Final grade: Summa cum laude
Thesis: Implementing professional training models for laparoscopic liver resections
- [09/2006 – 06/2012] **Medical Doctor**
"Iuliu Hațieganu" University of Medicine and Pharmacy - Faculty of Medicine
Address: Cluj-Napoca, Romania
- [09/2016] **Internship**
Centre Hospitalier Antibes Juan-les-Pins, Department of General, Digestive and Bariatric Surgery
Address: Antibes, France
- [06/2015 – 12/2015] **Liver Transplantation Programme - POSDRU/186/3.2/S/155295**
Academy of Medical Sciences / Fundeni Clinical Institute
Address: Bucharest, Romania

Popa C, Abdul Halim N, Pestean C, et al. Residents can do it! A hands-on training program in laparoscopic liver surgery for general surgery residents [published online ahead of print, 2023 Jan 2]. Eur Surg Res. 2023;10.1159/000528691

Popa C, Schlanger D, Chirică M, Zaharie F, Al Hajjar N. Emergency pancreaticoduodenectomy for non-traumatic indications-a systematic review [published online ahead of print, 2022 Oct 25]. Langenbecks Arch Surg. 2022;10.1007/s00423-022-02702-6. doi:10.1007/s00423-022-02702-6

Popa C, Schlanger D, Zaharie F, et al. A retrospective analysis of bile duct injuries treated in a tertiary center: the utility of a universal classification-the ATOM classification [published online ahead of print, 2022 Aug 10]. Surg Endosc. 2022;10.1007/s00464-022-09497-z. doi:10.1007/s00464-022-09497-z

Popa C, Schlanger D, Zaharie F, Al Hajjar N. Impact of the COVID-19 pandemic on the training of general surgery residents: Surgical training and the COVID-19 pandemic [published online ahead of print, 2022 Sep 9]. Eur Surg. 2022;1-6. doi:10.1007/s10353-022-00772-w

Schlanger D, Popa C, Ciocan A, Şofron C, Al Hajjar N. Emergency Pancreatoduodenectomy: A Non-Trauma Center Case Series. J Clin Med. 2022;11(10):2891. Published 2022 May 20. doi:10.3390/jcm11102891

Schlanger, D., Popa, C., Paşca, S. et al. The role of systemic immunoinflammatory factors in resectable pancreatic adenocarcinoma: a cohort retrospective study. World J Surg Onc 20, 144 (2022). <https://doi.org/10.1186/s12957-022-02606-1>

Zaharie RD, Popa C, Schlanger D, Vălean D, Zaharie F. The Role of IL-22 in Wound Healing. Potential Implications in Clinical Practice. International Journal of Molecular Sciences. 2022; 23(7):3693. <https://doi.org/10.3390/ijms23073693>

Zaharie F, Valean D, Popa C, Mois E, Graur F, Munteanu D, Schlanger D, Ciocan A, Puia C, Al Hajjar N. Surgical technique in the laparoscopic repair of Morgagni hernia in adults. How do we do it? Hernia. 2022 Jan 10. doi: 10.1007/s10029-021-02559-6. Epub ahead of print. PMID: 35013791.

Schlanger D, Graur F, Popa C, Moiş E, Al Hajjar N. The role of artificial intelligence in pancreatic surgery: a systematic review. Updates Surg. 2022 Mar 2. doi: 10.1007/s13304-022-01255-z. Epub ahead of print. PMID: 35237939.

Schlanger D, Popa C, Rusu I, Seicean A, Hajjar NA. Synchronous Pancreatic Tumours: Intraductal Papillary Mucinous Neoplasm with Pancreatic Ductal Adenocarcinoma and Neuroendocrine Tumour: A Case Presentation and Review of Literature. Chirurgia (Bucur). 2021 Aug;116(eCollection):1-9. doi: 10.21614/chirurgia.116.eC.2425. PMID: 34463245.

Popa C, Schlanger D, Buliarca A, et al. Is There a Role for Surgery in BCLC B Hepatocellular Carcinoma?. Chirurgia (Bucur). 2021;116(eCollection):1-8. doi: 10.21614/chirurgia.116.eC.2424

Mocan T, Stiufiuc R, Popa C, Nenu I, Pestean C, Nagy AL, Mocan LP, Leucuta DC, Hajjar NA, Sparchez Z. Percutaneous ultrasound guided PEG-coated gold nanoparticles enhanced radiofrequency ablation in liver. *Sci Rep.* 2021 Jan 14;11(1):1316. doi: 10.1038/s41598-020-79917-4. PMID: 33446793; PMCID: PMC7809408.

Pitu F, Pasca S, Popa C, Al Hajjar N. The importance of MLH1, MSH2, MSH6 and PMS2 in determining DNA damage response in digestive cancers. *Rom Biotechnol Lett.* 2021; 26(1): 2289-94.

Popa C, Voicescu GT, Pestean C, Graur F, Momani TA, Al-Hajjar N, Liviu I. An innovative approach for laparoscopic liver resections. Training protocol. *Ann Ital Chir.* 2020; 91:105-111. PMID: 32180581.

Popa C, Purdoiu RC, Lacatus R, Socaciu M, Voicescu GT, Vrincianu R, Al Hajjar N, Oana IL. Ct examination of the swine liver: anatomical and volumetric data preceding experimental liver resections. *Rev Rom Med Vet.* 2020; 30 (2): 17-23.

Popa C, Ober C, Vrincianu R, Cicortas B, Cimpean C, Al Hajjar N, Oana IL. The surgical anatomy of the swine liver: a new way of learning for residents in training. *Rev Rom Med Vet.* 2019; 29(4):11-7.

Popa C, Pestean C, Vladut G, Vranceanu DS, Panaitescu PS, Al Hajjar N, Oana IL. Basic laparoscopic training program for veterinary medicine students. First Romanian pilot study. *Rev Rom Med Vet.* 2019; 29(3):21-8.

Al Hajjar N, Popa C, Al-Momani T, Margarit S, Graur F, Tantau M . Esophagojejunal anastomosis fistula, distal esophageal stenosis, and metallic stent migration after total gastrectomy . *Case Rep Surg.* 2015; 2015:839057. doi: 10.1155/2015/839057.

Al Hajjar N, Pitu F, Pall E, Pitu F, Suarasan I, Popa C, Fit N. In vitro effect of ozonated saline on microorganisms involved in pancreatic and peripancreatic necrosis infection in severe acute pancreatitis. *African Journal of Microbiology Research.* 2012; 6(3):611-6.

Al Hajjar N, Pitu F, Fit N, Pitu F, Popa C, Suarășan I, Pall E. Effect of aqueous ozone solution on pancreatic cells. *Journal of Cell and Animal Biology.* 2012; 6(2):25-8.

Popa C, Schlanger D. New technologies in colorectal surgery. Editura Medicala Cluj-Napoca; 2021.

Popa C, Schlanger D, Al Hajjar N. Training fundamentals in minimal invasive colorectal surgery. Laparoscopic interventions in colorectal surgery. Editura Medicala Cluj-Napoca; 2021.

Schlanger D, Zaharie R, Popa C. Transanal minimal invasive surgery. Editura Medicala Cluj-Napoca; 2021.

Popa C. The surgical anatomy and physiology of the liver. In: Al Hajjar N. Digestive surgical pathology. University medical publishing house "Iuliu Hațieganu"; 2021.

Popa C. The surgical anatomy and physiology of the bile ducts. In: Al Hajjar N. Digestive surgical pathology. University medical publishing house "Iuliu Hațieganu"; 2021.

Popa C, Radu H. Intestinal ischemia. In: Al Hajjar N. Digestive surgical pathology. University medical publishing house "Iuliu Hațieganu"; 2021.

Popa C, Al Hajjar N, Oana IL. Laparoscopic surgery lessons for residents. Lection 1: Introduction in laparoscopic surgery. Cluj-Napoca: Colorama; 2018. ISBN 978-606-8778-57-0.

Popa C, Al Hajjar N, Oana IL. Laparoscopic surgery lessons for residents. Lection 2 : Where does the training process start? Cluj-Napoca: Colorama; 2018. ISBN 978-606-8778-58-7.

Popa C, Zaharie F, Hajjar N, Oana L. Introduction in laparoscopic surgery: concept and devices. In: Zaharie F, Zaharie R. Laparoendoscopic Surgery. Avid Science; 2018.

Popa C. The surgical anatomy of the pancreas. In: Al Hajjar N. Pancreatic surgery. Cluj-Napoca: Todesco Publisher; 2014.

Al Hajjar N, Popa C. Pancreatic trauma. In: Al Hajjar N. Pancreatic surgery. Cluj-Napoca: Todesco Publisher; 2014.

30th International EAES Congress - "Bile duct injuries during laparoscopic cholecystectomy – the utility of ATOM classification"

Krakow, Poland (2022)

30th International EAES Congress - "The advantages of the cervical ultrasound examination during the conservative management of anastomotic leakage after hybrid McKeown esophagectomy"

Krakow, Poland (2022)

30th International EAES Congress - "Laparoscopy training for general surgery residents – the impact of the COVID-19 pandemic"

Krakow, Poland (2022)

30th International EAES Congress - "A feasible training program for transanal endoscopic surgery"

Krakow, Poland (2022)

17th IFSES World Congress of Endoscopic Surgery - "Experimental training model for the transanal minimally invasive approach-concept and development. First results."

Barcelona, Spain (2021)

40th Congress of the European Society of Surgical Oncology - "The role of systemic immunologic and nutritional parameters as prognostic factors for surgically resected pancreatic adenocarcinoma"

Lisbon, Portugal (2021)

The 27th International Congress of the European Association of Endoscopic Surgery (EAES) – "The role of resident's "warming up" before laparoscopic swine liver resection using a standardized protocol."

Seville, Spain (2019)

The 27th International Congress of the European Association of Endoscopic Surgery (EAES), E-Poster : "A new way of learning swine liver anatomy for residents in training."

Seville, Spain (2019)

The 26th International Congress of the European Association of Endoscopic Surgery (EAES) – Why should a General Surgery resident be part of a dedicated training programme? A prospective study of training in laparoscopic hand-sewn suturing"

London , UK (2018)

The 26th International Congress of the European Association of Endoscopic Surgery (EAES) - Development and validation of a training model for laparoscopic liver resections"

London , UK (2018)

The 25th International Congress of the European Association of Endoscopic Surgery (EAES) - Exploring the benefits of training in laparoscopic liver and rectal resections on swine experimental model: resident vs senior surgeons"

Frankfurt an Main , Germany (2017)

The 24th International Congress of the European Association of Endoscopic Surgery (EAES) - „In vivo swine training model for laparoscopic liver resections: can residents do it?"

Amsterdam, The Netherlands (2016)

**CONGRESS ORAL PRE-
SENTATIONS - NATION-
AL**

The 11th National Congress of the Romanian Association for Endoscopic Surgery (2022) - "Perioperative features in the management of patients with perforated gastroduodenal ulcer and acute appendicitis during the COVID-19 pandemic period."

National Congress of Surgery , 32nd edition (2022) - "Complications after esophageal cancer surgery: anastomotic fistulas"

National Congress of Surgery , 32nd edition (2022) - "Complications after esophageal cancer surgery: chyle leaks"

National Congress of Surgery , 32nd edition (2022) - "Minimally invasive transanal surgery: a training program"

National conference of HBP surgery (2021) -"Non-traumatic emergency pancreaticoduodenectomy. Case series and systematic review."

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National conference of HBP surgery (2021) - "Can surgical resection be a valid treatment option in BCLC B hepatocellular carcinoma?"

National Congress of Surgery , 31st edition (2021) - "An analysis of the impact of COVID-19 pandemic on the training of general surgery residents"

National Congress of Surgery , 31st edition (2021) - "A retrospective analysis of surgically treated gastric adenocarcinoma patients. A single center experience"

National Congress of Surgery , 31st edition (2021) - "Subtotal esophagectomy with colon reconstruction - perioperative management"

National Congress of Surgery , 31st edition (2021) - "The analysis of prognostic histopathological and surgical factors in pancreatic adenocarcinoma"

National Congress of Surgery , 31st edition (2021) - "A retrospective analysis of surgically treated patients diagnosed with gastrointestinal stromal tumors of the stomach. A single center experience"

National Congress of Surgery , 30th edition(2020) - „Experimental training model for minimal invasive transanal approach - concept and development. First results“

National Congress of Surgery , 30th edition(2020) - "Particularities in emergency pancreaticoduodenectomy"

National Congress of Surgery , 30th edition(2020) - "Iatrogenic lesions of the common bile duct - diagnosis & treatment"

The 12th National Congress of the Romanian Association of Hepato-Bilio-Pancreatic Surgery and Liver Transplantation, Cluj-Napoca (2018) - „Training in residency: Laparoscopic liver resections on swine – our experience“

The 9th National Congress of the Romanian Association for Endoscopic Surgery (ARCE), Bucharest (2017) - „Development and validation of a training model for laparoscopic liver resections

National Congress of Romanian Society of Coloproctology, Cluj-Napoca (2017) – „Training in residency: Laparoscopic synchronous rectal and liver resections on swine“

WORKSHOPS AND WEBINARS PARTICIPATION

[2013 – Current]

National

- Diagnostic endoscopy course. Bucharest, Romania (2022)
- Contrast enhanced ultrasound (CEUS): Liver tumors. Principles. Practical applications. Theory and practice. (2022)
- "Training in general surgery residency - surgical tactic and technique in hiatal, diaphragmatic, inguinal and femoral hernia", National Congress of Surgery, Romania (2021)
- "Laparoscopic surgery in malignant colorectal tumors: How to do it!", National Congress of Surgery, Romania (2021)
- Webinar: Ultrasonography in hepatology, Cluj-Napoca, Romania (2021)
- Webinar: Peripheral and visceral vascular ultrasonography, Cluj-Napoca, Romania (2021)
- Webinar: Laparoscopic suturing techniques Cluj-Napoca, Romania (2020) – Director and speaker :
- Webinar: Digestive Endoscopy Cluj 2020, Cluj-Napoca, Romania (2020) – Invited Speaker
- "Inguinal Hernia Repair: Open Approach – Hands-on Workshop ", first edition, Cluj-Napoca, Romania (2016)
- "Introduction to Laparoscopic Surgery – Hands-on Workshop ", first edition, Cluj-Napoca, Romania (2015)
- "Urinary Tract Surgery Techniques – Hands-on Workshop ", first edition, Cluj-Napoca, Romania (2015)
- " Laparoscopic colorectal surgery – Hands-on Workshop ", first edition, Cluj-Napoca, Romania (2015)
- "Electrosurgery for Liver and Spleen – Hands-on Workshop", first edition, Cluj-Napoca, Romania (2015)
- "Vascular Anastomosis Techniques – Hands on Workshop ",first edition, Cluj-Napoca, Romania (2015)
- "Pancreas Imagistics Workshop", Bucharest, Romania (2015)
- "Manual Intestinal Anastomosis", first edition, Cluj-Napoca, Romania (2014)
- "Basic Training in General Surgery", first edition, Cluj-Napoca, Romania (2014)

[2015 – Current]

International

- Flexible endoscopy hands-on course - 30th International Congress of the European Association for Endoscopic Surgery, Krakow, Poland (2022)
- European Colorectal Congress- Virtual Congress, St.Gallen, Switzerland (2020)
- *Liver Surgery* - European School of Surgical Ultrasonography, Humanitas Research Hospital , Rozzano-Milano, Italy (2018)
- The 3rd International Translational Research Uro-Sciences Team (Itrust) Congress - Education and Simulation in Urology: sharing standards for patient safety", Rome, Italy (2016)
- "International Surgery Workshop for Visceral and Gastrointestinal Emergencies (other than trauma)", Bucharest, Romania (2016)

TRAINING AND EDUCATIONAL PROGRAMS - COORDINATION & ORGANIZATION

[2012 – Current]

Education for students and young doctors

- „Hiatal hernia repair - advanced hands-on course”, Cluj-Napoca, Romania (2022)
- „Basic skills in laparoscopic surgery”, Cluj-Napoca, Romania (2022)
- „Laparoscopic suturing - Hands-on Workshop. Module 2.”, Cluj-Napoca, Romania (2022)
- „Laparoscopic suturing - Hands-on Workshop. Module 1.”, Cluj-Napoca, Romania (2022)
- „Introduction in laparoscopic surgery”, Cluj-Napoca, Romania (2022)

- „Electrosurgery for Liver and Spleen – Hands-on Workshop”, 4th edition, Cluj-Napoca, Romania (2018)
- „Basic Training in General Surgery – hands-on workshop” , 4th edition, Cluj-Napoca, Romania (2018)
- „Laparoscopic Suturing Techniques-Module 2- Hands-on Workshop”, first edition, Cluj-Napoca, Romania (2017)
- „Urological Laparoscopic Suturing Techniques-Module 1- Hands-on Workshop” first edition, Cluj-Napoca, Romania (2017)
- „Microsurgical Principles in Ophthalmic Practice” – Hands-on Workshop”, 3rd edition, Cluj-Napoca, Romania (2017)
- „Manual Intestinal Anastomosis”, 3rd edition, Cluj-Napoca, Romania (2017)
- „Laparoscopic Suturing Techniques-Module 1- Hands-on Workshop”, first edition, Cluj-Napoca, Romania (2017)
- „RECTAL laparoscopic surgery & Electrosurgery for LIVER metastasis – Hand-on Workshop”, Cluj-Napoca, Romania (2016)
- „Microsurgical Principles in Ophthalmic Practice” – Hands-on Workshop”, second edition, Cluj-Napoca, Romania (2016)
- „Manual Intestinal Anastomosis”, second edition, Cluj-Napoca, Romania (2016)
- „Basic Training in General Surgery – Hands-on workshop” , 3rd edition, Cluj-Napoca, Romania (2016)
- „Glaucoma Surgery Techniques – Hands-on Workshop”, first edition, Cluj-Napoca, Romania (2015)
- „The 5th International Course and Workshop on Advanced Laparoscopic Urology and 33rd International Turkorolap Course”, Cluj-Napoca, Romania (2015)
- „Basic Urological Surgical Skills” in “3rd International S.A.R.U.S. Conference”, first edition, Cluj-Napoca, Romania (2015)
- „Microsurgical Principles in Ophthalmic Practice” – Hands-on Workshop”, first edition, Cluj-Napoca, Romania (2015)
- „Basic Training in General Surgery – Hands-on workshop” , second edition, Cluj-Napoca, Romania (2015)
- „Electrosurgery for Liver and Spleen – Hands-on Workshop”, first edition, Cluj-Napoca, Romania (2014)
- „The 4th International Course and Workshop on Advanced Laparoscopic Urology”, Trainer, Cluj-Napoca, Romania (2014)
- „The 3rd International Course and Workshop on Advanced Laparoscopic Urology”, Cluj-Napoca, Romania (2013)

PROJECTS

Investigator: „Robotic guided innovative instruments for tumors treatment- ON TARGET” Project no. PN-III-P2-2.1-PED-2019-4375 ; Contract no.397 PED/2020

Clinical Simulations Specialist: “Improving the level of competences of human resources in the field of oncology (I CARE)” - POCU project code: SMIS 2014+ : 108211

Investigator: "High-precision innovative approach of the robotic assisted treatment of liver tumors based on integrated imaging-molecular diagnosis (IMPROVE)” PN-III-P1-1.2-PCCDI-2017-0221 / 59PCCDI/2018

PATENT

Sistem dual de grile pentru ghidajul brahiterapiei asistată laparoscopic pentru tumorile hepatice (cu grila intra-abdominală din bile magnetice) - Nr. inreg. OSIM A/01141-27.12.2018 Patent pending

Florin Graur, Nadim Al Hajjar, Calin Vaida, Emil Moiş, Doina Pîsla, Luminița Furcea, **Călin Popa**, Radu Elisei

Sistem dual de grile pentru ghidajul brahiterapiei asistată laparoscopic pentru tumorile hepatice (cu grila intra-abdominală din material plastic) - Nr. inreg. OSIM A/01142-27.12.2018 Patent pending

Florin Graur, Nadim Al Hajjar, Calin Vaida, Emil Moiş, Doina Pîsla, Luminița Furcea, **Călin Popa**, Radu Elisei

AFFILIATIONS

[2022 – Current] **Member - European Foregut Association (EFS)**

[2014 – Current]

Member - Romanian Society of Surgery - Societatea Română de Chirurgie (SRC)

[2015 – Current] **Member - European Association for Endoscopic Surgery (EAES)**

[2015 – Current] **Member - European Society of Surgical Oncology (ESSO)**

[2019 – Current]

Member - Romanian Society for Ultrasonography in Medicine and Biology (SRUMB)/European Federation of Societies for Ultrasound in Medicine and Biology(EFSUMB)

[2014 – Current] **Member - The Romanian Association for Endoscopic Surgery (ARCE)**

[2014 – Current]

Member - Romanian Association of Hepato-Pancreatic Surgery and Liver Transplantation

[2012 – Current]

Founding Member and President - Training and research center “Prof.Dr.Sergiu Duca”

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

French

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

DIGITAL SKILLS

Microsoft Word | Microsoft Excel | Microsoft Office | Power Point | Google Drive | Social Media | Zoom | Google Docs

ORGANISATIONAL SKILLS

- Good organizing skills - organizing activities and workshops for medical students and doctors

- More than 10 years experience in the training and educational field
- Managing multidisciplinary teams in order to organize different educational programmes
- Conceptualizing and designing workshops or training activities
- Coordinating teams for more than 50 hands on workshops

COMMUNICATION AND INTERPERSONAL SKILLS

- Good communication and argumentation skills

- Several courses and oral presentations for medical students and resident doctors
- Oral presentations in national and international congresses
- Presentations (theoretical and practical) in workshops
- Argumentation skills developed in law school

MANAGEMENT AND LEADERSHIP SKILLS

- Management and leadership skills

- Skills developed in more than 10 years of continuous work - including President of the The Romanian Student Society of Surgery and then President of The Training and Research Center a "Prof. Dr. Sergiu Duca"- in educational area.
- Managing multidisciplinary teams (human and veterinary doctors) in order to organize different activities/projects