

**Prof. Dr. med. Andreas Christe**

Head of Department of Radiology

Division City and County Hospitals

INSEL GROUPUniversity Institute of Diagnostic, Pediatric and
Interventional Radiology

Tiefenau Hospital, Tiefenastrasse 112, CH-3004 Bern

Phone +41 31 308 84 51, Fax +41 31 308 83 31

andreas.christe@insel.ch, www.insel.ch**Personal Information:**

Date of Birth: May 7, 1971
 Citizenship: Pleujouse (JU), Switzerland
 Marital Status: Married, 2 children
 Phone: +41 79 6600662
 E-Mail: andreas.christe@insel.ch

Academic History:

11/2015 Associate Professor, University of Bern, Switzerland
 04/2015- Head of department (Chefarzt) and managing Co-director, Radiology, Division City and County Hospitals, **INSEL GROUP**, Bern, Switzerland
 12/2014 - 03/2015 Head of department a.i. (Chefarzt a.i.), Radiology *Spital Netz Bern – Inselspital – Fusion (SMSB)*, Bern, Switzerland
 04/2014 - 03/2015 Senior consultant (Leitender Arzt), Department of Diagnostic, Interventional and Pediatric Radiology, Hospital and University of Bern, Inselspital, Switzerland
 01/2014- Board member Lung Cancer Center, Inselspital, University of Bern, Switzerland
 01/2013 - 12/2014 Member of the extended chair, Institute of Diagnostic Radiology, University of Bern
 06/2012 - 06/2013 Postgraduate course in hospital management, University of Bern, Switzerland
 01/2012 Habilitation, University of Bern (Venia docendi in Radiology)
 04/2010 - 12/2014 Chief of Body-CT, Department of Diagnostic, Interventional and Pediatric Radiology, Inselspital, University of Bern, Switzerland
 12/2009 Huggenberger-Bischoff prize 2009 (Swiss Cancer Research Foundation)
 10/2009 - 03/2010 Post-Doc Fellowship, Department of Radiology, Stanford University, Stanford, California, USA. "Gottfried und Julia Bangerter-Rhyner" Grant
 04/2008 - 03/2009 Post-Doc Fellowship, Department of Radiology, Stanford University, Stanford, California, USA. Senior Investigator Grant SSMBS (Swiss National Science Foundation)
 01/2006 - Staff Member, Institute of Diagnostic Radiology, Inselspital, University of Bern, Switzerland
 12/2005 Doctoral thesis presentation and awarding of doctorate medical degree, University of Bern
 03/2005 - 03/2008 Radiology Staff Member, Institute of Forensic Medicine, University of Bern, Switzerland
 02/2004 Board certification (FMH) in Radiology, Switzerland
 01/2004 - 12/2005 Junior Staff Member, Institute of Diagnostic Radiology, Inselspital, University of Bern
 08/2003 Board certification examination (FMH) in Radiology, Geneva Switzerland
 04/2002 - 05/2002 Armed Forces Institute of Pathology (AFIP), Radiology Course participation (6 weeks), Walter Reed Army Medical Center, Washington DC, USA
 11/1999 - 12/2003 Residency in Radiology, Inselspital, University of Bern, Switzerland
 01/1999 - 10/1999 Resident in Pathology, Institute of Pathology, University of Bern (Head of students training)
 01/1998 - 05/1998 Military Officer of Swiss Army Medical Corps, Moudon, Switzerland
 12/1997 Federal medical examination, University Hospital Bern, Switzerland
 11/1991 - 12/1997 Medical studies, University of Bern, Switzerland
 1987 - 1990 College (Matura C), Interlaken, Switzerland
 1978 - 1986 Primary, secondary school education Unterseen, Switzerland

Public and Professional Service:

2022 Faculty member of IDKD Diagnostic Imaging Course, Davos, Switzerland
 2021-23 Executive Committee Member of ESTI (European Society of Thoracic Imaging)
 2021-22 Abstract Reviewer Committee of ECR (European Congress of Radiology)
 2019- Co-Chair Swiss expert commission of clinical audits in radiology

2018-	Standing Abstract Reviewer Committee of the Swiss Congress of Radiology
2017-	Section chief Swiss board certification examination in Radiology (first part, FMH)
2017-	Member of Chest-Subcommittee, European Congress of Radiology, Vienne, Austria
2015	Chairman of High-Resolution-CT Masterclass, Bern
2015-	Expert of SAKK Working Group Imaging (Swiss Group for Clinical Cancer Research)
2015-	SGUM-Tutor (Swiss Society of Ultrasonography in Medicine)
2014 - 2015	Representative of non-professorial faculty, Chair of Department of Radiology, Neuroradiology and Nuclear medicine, Inselspital, Hospital and University of Bern, Switzerland
2014-	Expert at Swiss board certification examination (FMH) in Radiology
05/2013	Member of the Scientific Committee, Annual Congress <i>ISFRI (International Society of Forensic Radiological Imaging)</i> , Zürich, Switzerland
2013-	Consultant of dissertation commission of Medical Faculty, University of Bern
2013-	Consultant of 3R Research Foundation Switzerland
2013-	Posterjury Swiss Congress of Radiology SGR
2012-	Editorial board member, <i>Journal of Forensic Radiology and Imaging</i>
2012-	Scientific board member of <i>Funginos</i> Switzerland
2012	Founding member of <i>ISFRI (International Society of Forensic Radiological Imaging)</i>
2012-	Academic coordinator of University lectures in Radiology, University of Bern
2011-	Vice representative of non-professorial faculty
2007-	Member of examination board of Swiss board certification examination (FMH) in Radiology
2005 - 2010	Professional expert for degree dissertation at Medical Technician School, University of Bern
2002 - 2004	Teacher of Anatomy at Medical Technician School, Inselspital, University of Bern
2000-	Promotion to First Lieutenant of Swiss Army Medical Corps

Awards/Prizes:

2022	JVIR journal award: second most read article in <i>Journal of vascular and interventional radiology (2022)</i> : Misura, Tihana; Drakopoulos, Dionysios; Mitrovic, Milena; Lönnfors, Tarja; Primetis, Elias; Hoppe, Hanno; Obmann, Verena C; Huber, Adrian T; Ebner, Lukas; Christe, Andreas (2022). Avoiding the Intercostal Arteries in Percutaneous Thoracic Interventions. <i>Journal of vascular and interventional radiology</i> , 33(4), 416-419.e2
2022	IR Journal award: top 10 cited papers for <i>Investigative Radiology</i> 2019-2022: Christe A , Peters AA, Drakopoulos D, Heverhagen JT, Geiser T, Stathopoulou T, Christodoulidis S, Anthimopoulos M, Mougialakou SG, Ebner L. Computer-Aided Diagnosis of Pulmonary Fibrosis Using Deep Learning and CT Images. <i>Invest Radiol</i> . 2019 Oct;54(10):627-632.
2021	Swiss Congress of Radiology, Best Scientific Poster - summa cum laude- Nyilas S, Bauman G, Korten I, Pusterla O, Singer F, Ith M, Groen C, Schöni A, Heverhagen J, Christe A , Rodondi N, Bieri O, Geiser T, Auer R, Funke-Chambour M, Ebner L. <i>Short-Term Effect of E-Cigarette and Tobacco Smoke on Ventilation and Perfusion in the Lung: Assessment With Functional MRI and Lung Function Measurements</i>
2021	Trainee Research Prize Radiological Society of North America (RSNA): Nyilas S, Bauman G, Korten I, Pusterla O, Singer F, Ith M, Groen C, Schöni A, Heverhagen J, Christe A , Rodondi N, Bieri O, Geiser T, Auer R, Funke-Chambour M, Ebner L. Short-Term Effect of E-Cigarette and Tobacco Smoke on Ventilation and Perfusion in the Lung: Assessment With Functional MRI and Lung Function Measurements
2017	Innovation prize , scientific symposium DIPR, University of Bern, Switzerland
2017	Best free communication award. Christodoulidis S, Anthimopoulos M, Ebner L, Christe A Mougialakou S. <i>Lung Pattern Classification for Interstitial Lung Diseases (Deep Convolutional Neural Network)</i> . The 3rd annual meeting for SMARTCATs COST Action CM1404 Prague 2017.
2016	Best Poster Awardee , 3th World Congress on Hepatitis, Dubai, UAE
2014	Science award of the Department of Radiology DIPR, Bern, Switzerland
2009	Huggenberger-Bischoff prize (Swiss Cancer Research Foundation)

Supervision of Dissertation at University of Bern:

Jaled Charimo Torrente	CT screening and follow up of lung nodules: impact of CT-tube current and nodule characteristics on sensitivity and volume measurement of lung nodules, 2010
Lars Leidolt	Lung cancer screening with CT: evaluation of radiologists and different computer assisted detection software (CAD) as first and second readers for lung nodule detection at different dose levels, 2013
Sara Pistorius	Analysis of pneumatization and neurovascular structures of the sphenoid sinus using cone-beam tomography (CBT), 2013
Felix Knoblauch	Feasible dose reduction in routine chest computed tomography maintaining constant image quality using the last three scanner generations: from filtered back projection to sinogram-affirmed iterative reconstruction and impact of the novel fully integrated detector design minimizing electronic noise, 2014

Yanik Bütikofer	Lung Nodule detection by Micro-dose -CT vs (standard and dual-energy subtracted) Chest Radiograph, 2014
Frederick Schuster	CT arterial enhancement fraction (AEF) for hepatocellular carcinoma screening in patients with end-stage liver cirrhosis, 2015
Moritz Steib	Computed tomography imaging for the characterisation of drugs with radiation density measurements and HU spectroscopy, 2017
Laura Loebelenz	Kerley B lines in the lung apex - a distinct CT sign for pulmonary congestion, 2019
Alexandrine Bähler	Identification of ureteral stones at reduced radiation exposure: a pilot study comparing conventional versus digital low-dosage linear slot scanning (Lodox®) radiography, 2020
Ahmed Maher	Detection of Pulmonary Embolism on CT-Angiography Using Contrast Attenuation of Pulmonary Veins, 2020/2021
Dorothee Hausmann	Detection of Pulmonary Embolism on CT-Angiography Using Contrast Attenuation of Pulmonary Veins, 2020/2021
Jacqueline Arcon	Correlation of gastrointestinal perforation location and amount of free air and ascites on CT imaging, 2021
Tihana Misura	Avoiding the intercostal arteries in percutaneous thoracic interventions 2021
Mostafa El-Ashmawy	Comparison of the quality of two different CT scanners for neck imaging, 2022, ongoing

Manuscript reviewer:

2021-	- <i>Journal of Nephrology</i>
2019-	- <i>Investigative Radiology</i>
2017-	- <i>Frontiers of Medicine</i>
2016-	- <i>PLOS ONE</i> - <i>Digestive Surgery</i>
2014/2015-	- <i>Scientific Reports</i> published by <i>Nature</i> - <i>IEEE Journal of Translational Engineering in Health and Medicine</i> - <i>The Journal of Rheumatology</i> - <i>British Journal of Radiology</i> - <i>Academic Radiology</i> - <i>Forensic Science, Medicine and Pathology</i> - <i>JMRI Journal of Magnetic Resonance Imaging</i> - <i>Clinical Neuroradiology</i>
2012-	- <i>Forensic Science International</i> - <i>Clinical imaging</i> - <i>European Journal of Radiology</i>
2010-	- <i>European Radiology</i> - <i>American Journal of Neuroradiology (AJNR)</i> - <i>Acta Radiologica</i>
2019-	- <i>Investigative Radiology</i>
2017-	- <i>Frontiers of Medicine</i>
2016-	- <i>PLOS ONE</i> - <i>Digestive Surgery</i>
2014/2015-	- <i>Scientific Reports</i> published by <i>Nature</i> - <i>IEEE Journal of Translational Engineering in Health and Medicine</i> - <i>The Journal of Rheumatology</i> - <i>British Journal of Radiology</i> - <i>Academic Radiology</i> - <i>Forensic Science, Medicine and Pathology</i> - <i>JMRI Journal of Magnetic Resonance Imaging</i> - <i>Clinical Neuroradiology</i>
2012-	- <i>Forensic Science International</i> - <i>Clinical imaging</i> - <i>European Journal of Radiology</i>
2010-	- <i>European Radiology</i> - <i>American Journal of Neuroradiology (AJNR)</i> - <i>Acta Radiologica</i>

Societies, Memberships

Swiss Society of Radiology (SGR-SSR)
European Society of Radiology (ESR)
European Society of Thoracic Imaging (ESTI)
Swiss Medical Association (FMH)
Swiss Society of Ultrasonography in Medicine (SGUM)
International Society of Forensic Radiological Imaging (ISFRI)

Grants (total: 2'036 K CHF)

*main applicant, ** co-applicant, ^Δproject partner

Project funding (total: 1'461 K CHF):

2021-2023	**Campus Lindenhof (21-02_IIT) AI-based Automated Diagnosis, Assessment and Prognosis of COVID-19 Infections
2019-2023	^Δ Swiss National Science Foundation (SNSF, No. 188591): MAPIT – MAgnetic resonance (MR) relaxometry for extracellular volume (ECV) mapPIng combined with elastography for noninvasive characterization of diffuse liver disease
2017-2018	**Foundation Lindenhof: Translation of a computer-aided diagnosis system for ILDs to clinical practice by Project INTACT – INTERstitial pneumonia pattern Analysis for CompuTer-aided diagnosis
2014	*Swiss National Science Foundation (SNSF, No. 157744): R'Equip - Magnetic Resonance (MR) - Elastography for Characterization of Liver Disease
2014 -2018	*Swiss National Science Foundation (SNSF, No. 15611): Project INTACT – INTERstitial pneumonia pattern Analysis for CompuTer-aided diagnosis
2014	*Swiss HIV Cohort Study (SHCS) sponsored by the Swiss National Science Foundation: Variation of CT-patterns of Pneumocystis jirovecii pneumonia (PCP) in HIV-infected individuals and kidney transplant recipients I.
2014	*Swiss Transplant Cohort Study (STCS) sponsored by the Swiss National Science Foundation: Variation of CT-patterns of Pneumocystis jirovecii pneumonia (PCP) in HIV-infected individuals and kidney transplant recipients II.
2011	*Bernese Cancer League, Swisslife, Swiss Foundation "Fight Against Cancer" : Optimal low-dose levels in Chest-Computed-Tomography (CT) for minimal patient radiation and unimpaired detection of lung nodules and nodule volume measurement
2010	*Jubilee Foundation Swisslife, Jubilee Foundation Mobilier. Accurate low dose levels in Chest-Computed-Tomography (CT) for patients with recurrent lung pathologies

Industry funding (total: 462.5 K CHF):

2022-2023	*Bracco Suisse S.A., Fumedica AG, Boehringer Ingelheim GmbH – Development Grant II: interventional radiology application
2021	*Bayer HealthCare – Development Grant I: interventional radiology application
2018	*Roche Pharma (Schweiz) AG – Research Grant: A.I. classification of pulmonary fibrosis
2017	*Roche Pharma (Schweiz) AG – Research Grant: Patterns of pulmonary fibrosis II (transfer learning)
2015	*Roche Pharma (Schweiz) AG – Research Grant: Patterns of pulmonary fibrosis (automatic detection)
2014	*Philips AG Healthcare, IntelliSpace Portal DX (loan): Lung nodule detection in lung cancer screening
2013	*Siemens Healthcare, CT Arterial Enhancement Fraction, AEF Syngo.via (loan): HCC detection in liver cirrhosis
2013	*Siemens AG, Philips, Bracco AG, Guerbet AG, Bayer HealthCare, SMD MedicalTrade GmbH. Lung Cancer Screening project
2009	*Guerbet AG, Bayer Schering: CT patterns: Comparison of Standard-Dose (150 mAs) and Low Dose CT (40 mAs)
2008	*GE Healthcare, Guerbet AG: CT patterns of fungal pulmonary infections of the lung: comparison of standard-dose and simulated low-dose CT

Personal funding (total: 113.4 K CHF):

2010	*Huggenberger-Bischoff prize (Swiss Cancer Research Foundation): CT patterns: Comparison of Standard-Dose (150 mAs) and Low Dose CT (40 mAs)
2009	*"Gottfried und Julia Bangerter-Rhyner" Grant: Chest CT patterns at low dose level.
2008	*SSMBS, Senior Investigator Grant (Swiss National Science Foundation): CT patterns of the lung: low-dose CT.

Publications

List of publications (142)

Original Research	106
Review Articles	12
Letters to the Editor	1
Book Chapters	7
Case Reports	16
Congress abstracts	111

PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/?term=christea>

Publications impact:

H-Index: 38; citations: 5566

ORCID ID: 0000-0002-2355-2591

Research Interest Score (ResearchGate): 2280