

## Stephane Chauvie, Medical Physicist

E: [chauvie.s@ospedale.cuneo.it](mailto:chauvie.s@ospedale.cuneo.it)

### Actual position

2012→ Head of Medical Physics Division, Santa Croce and Carle Hospital, Cuneo, Italy

### Career titles

2012→ Safety Responsible of Nuclear Magnetic Resonance

2010→ Medical Physics Expert N. 166

2008→ III Degree Qualified Radiation Protection Expert N. 625

### Secondary affiliations

2019→ Expert for ANAC, Italian Ministry of Economy, Italia

2016→ Expert for CONSIP, Italian Ministry of Economy, Italy

2016→ Consultancies for ASL-CN1 Regional Hospital, Cuneo, Italy

2015→ Expert for AGENAS, Italian Ministry of Health, Italia

2015→ Expert/Lecturer for Technical Cooperation Program, IAEA International Atomic Energy Agency, Austria

2010→ Head of Corelab for Clinical Trial Qualification for national and international oncological society:

2015→ Swiss Group for Clinical Cancer Research (SAKK), Switzerland

2013→ Spanish Lymphoma Group (GELTAMO), Spain

2012→ International Extra-Nodal Lymphoma Study Group (IELSG), Switzerland

2011→ Italian Foundation on Lymphoma (FIL), Italy

2010→ Polish Lymphoma Research Group, (PLRG), Poland

2011→ Co-founder of Dixit ltd, Torino, Italy, a company specialized in imaging management in clinical trial <https://www.widen.it> and imaging e-learning <https://training.widen.it>

### Educational activity

University:

2016→ Bachelors: tutor

2010→ Physics MSc BSc: tutor; 6 research theses

2006→ Medical Physicist PhD: tutor and contract professor of Magnetic Resonance Imaging; 8 research theses

2006→ Nurse BSc: contract professor of "Physics for Medicine" and "Radiology and Radioprotection"

2004→ Radiographers BSc: tutor and contract professor of Physics for Medicine and Nuclear Medicine Physics: 34 research theses

2014→2016 Bio-laboratory Technicians: contract professor of Physics for Medicine

Professional:

2021→ Lecturer at International Centre for Theoretical Physics (ICTP)

2016→ Regional teacher for protection of workers (D.Lgs 81/08)

2012→ Regional teacher for radio-protection of patients (D.Lgs 187/00): Medical Physics, Nuclear Medicine and Radiology

2015→ Regional teacher for protection of patients and workers in MRI (DM 2/9/91)

2001-2003 Lecturer at European School of Medical Physics (ESMP) of European Federation of Medical Physics (EFOMP), Archamps, France

### Past work experiences

2004→2012 Medical Physicist at Medical Physics Unit, Santa Croce and Carle Hospital, Cuneo, Italy

2001→2004 Medical Physics Post Graduate School at Institute for Research and Cancer Treatment (IRCC), Candiolo and Umberto I Hospital, Torino, Italy

2000→2016 Associate Scientist of Italian Institute for Nuclear Physics (INFN), Italy

2000→2005 Associate Scientist at European Laboratory for Particle Physics (CERN), Geneva, Switzerland

2001 Contract 003/2001/CHAUVIE of European Space Agency, c/o ESA-ESTEC, Noordwijk am Zee, The Netherlands

### Academic Education

2010 Economics and Management in Healthcare, "La Sapienza" University, Roma

Research thesis: Cost-effectiveness of a PET/CT site in a university and in a general hospital

2003 Medical Physics Post Degree School, Faculty of Medicine, University of Torino

Research thesis: Monte Carlo simulation of IMRT treatment on a Beowulf cluster

1999 Degree in Physics, Faculty of Science, University of Torino

Research thesis: Radiobiological effectiveness of carbon-ions therapy: implementation and comparison with experimental results

### Foreign Languages

Working languages: Italian, English and French.

## Honors and awards

2017→ Responsible of Radioprotection Group, Healthcare headquarters, Piedmont Region, Torino, Italy  
2016→ Member of Academic Committee for Medical Physics School, University of Torino  
2016→ Regional coordinator for Italian Association of Physics in Medicine (AIFM)  
2014→ Member of Scientific Committee of Continuous Medical Education Provider n.1038 "Staff Formazione"  
2010→2013 Regional representative for Italian Association of Physics in Medicine (AIFM)  
2009→ Medical Physics Coordinator of Italian Foundation on Lymphoma (FIL)  
2006 Oral Presentation Award, AIMN Annual Meeting, Torino, Italy  
2003 Trainee Travel Grant Recipient, IEEE Medical Imaging Conference, Portland, Oregon  
Visiting scientist at Istituto Superiore di Sanità (Roma) e Ospedale Gemelli - Università Cattolica (Roma).

### Member of Scientific Association:

2018 → Associazione Italiana di Radioprotezione (AIRP)  
2017 → Italian Foundation on Lymphoma (FIL)  
2011 → American Association of Physics in Medicine (AAPM);  
2005 → European Association of Nuclear Medicine (EANM);  
2004 → Italian Association of Physics in Medicine (AIFM) HTA, Nuclear Medicine and Bioethics working groups;  
2004 → 2010 Italian Association of Nuclear Medicine (AIMN) PET Oncology and Therapy working groups;  
2001 → 2004 European Society of Oncological Radiotherapy (ESTRO).

### Peer Reviewer for International Journals:

2021 → *Metabolites*  
2021 → *European Journal of Nuclear Medicine and MI*  
2021 → *Cancer control*  
2021 → *Science Progress*  
2020 → *Scientific Reports*  
2020 → *Contrast Media & Molecular Imaging*  
2020 → *Applied Science*  
2019 → *Clinical and Translational Medicine*  
2018 → *PLOS One*  
2018 → *Journal of Nuclear Medicine*  
2018 → *Journal of Nuclear Medicine Technology*  
2018 → *Cancers*  
2018 → *Diagnostics*  
2017 → *European Journal of Radiology*  
2017 → *Quarterly Journal of Nuclear Medicine*  
2017 → *European Radiology*  
2016 → *Tomography*  
2016 → *Hearth, lung and circulation*  
2015 → *Computers Methods & Programs in Biomedicine*  
2015 → *Physica Medica*  
2014 → *Hematological Oncology*  
2006 → *Transaction in Nuclear Science*

### Scientific committee and peer review for Conference/Meetings:

2022 → *ECMP Annual Meeting*  
2020 → *WMIC Annual Meeting*  
2017 → *AIFM Annual Meeting*  
2014 → *AIMN Annual Meeting*  
2008 → Expert panel member of International workshop on PET in lymphoma  
2007 → *IEEE Nuclear Science Symposium and Medical Imaging Conference*  
2006 → 2010 *The Monte Carlo Method: Versatility Unbounded In A Dynamic Computing World. Conference*

## Patents

Phantom and Method for verifying the calibration of PET scanners, Filed August 9, 2013  
Method for the automatic recognition of anatomical structures in images obtained by positron emission tomography, system and computer program for performing said method, Filed April 17, 2013

**Publications** (ORCID: 0000-0003-4394-5031, Researcher ID AAF-9901-2021, Scopus ID 8782461800)

Author of 69 publication with review, one AIFM report, three ISTISAN report, three book chapters, 1 teaching CD.  
Bibliometry: 47754 citation, h-index 25, i10-index 47 @ Jan14th, 2022 (google scholar)  
71 invited talks. 81 orals and 99 abstracts to conference.  
Scientific responsible of 6 Accreditation Program and Scientific committee in 10.  
Attendee at more than 200 Continuous Medical Education courses.

#### **Experience in EudraCT and NCT clinical trials**

Coordinating medical physicists: RADAR, RAFTING, Copa-RB, RI-CHOP, RAFTING, GALILEO, SOS2, ROUGE, IELSG37, and LLC1114  
Writing committee: RAFTING, SOS2 (study coordinator), IELSG37, and HD0607,  
Investigator: HD0607, IVS, DDABVD, 2P-HD10, bvABVD, FOLL12, DLCL10, EMN02, LLC-091, YES-P, FOXFIRE, and SORAMIC.

#### **Skills Profile**

I am an enthusiastic worker accustomed to multidisciplinary work with other medical professional (doctors, nurses, radiographers, administrative), with colleagues of different medical branch (cardiologist, oncologist, radiologist, etc...) and with private company personnel (different project running with Hoffman-LaRoche, Eckert&Ziegler, GE Medical System, l'ACN and Comecer).

I authorize the use of my personal information according to GDPR 679/16.



Stéphane Chauvie  
Cuneo, Jan 14, 2022

## Elenco pubblicazioni / Publication list

### *Articoli di revisione su riviste internazionali con revisione / Peer reviewed review papers on international journals*

1. Zaucha JN, **Chauvie S**, Zaucha R, Biggi A, Gallamini A  
*The role of PET/CT in the modern treatment of Hodgkin Lymphoma*  
Cancer Treatment Reviews (2019) DOI: 10.1016/j.ctrv.2019.06.002
2. Kostakoglu L, **Chauvie S**  
*PET-Derived Quantitative Metrics for Response and Prognosis in Lymphoma*  
PET Clinics (2019) 14(3):317–329
3. Kostakoglu L, **Chauvie S**  
*Metabolic Tumor Volume Metrics in lymphoma*  
Seminars in Nuclear Medicine (2018) 48:50–66
4. **Chauvie S**, Bergesio F  
*The Strategies to Homogenize PET/CT Metrics: The Case of Onco-Haematological Clinical Trials*  
Biomedicines (2016) Nov 15;4(4). pii: E26-46
5. Kostakoglu L, **Chauvie S**  
*PET-derived metabolic volume metrics in lymphoma*  
Clin Trans Imaging (2015) 3:331–341

### *Lettere su riviste internazionali con revisione / Peer reviewed letters on international journals*

6. Cottreau AS, Buvat I, Kanoun S, Versari A, Casasnovas O, **Chauvie S**, Clerc J, Gallamini A, Meignan M  
*Is there an optimal method for measuring baseline metabolic tumor volume in diffuse large B cell lymphoma?*  
Eur J Nucl Med Mol Imaging. 2018 Apr 12. doi: 10.1007/s00259-018-4005-4.

### *Articoli originali su riviste internazionali con revisione / Peer reviewed original papers on international journals*

7. Response-Adapted Postinduction Strategy in Patients With Advanced-Stage Follicular Lymphoma: The FOLL12 Study.  
Luminari S, Manni M, Galimberti S, Versari A, Tucci A, Boccomini C, Farina L, Olivieri J, Marcheselli L, Guerra L, Ferrero S, Arcaini L, Cavallo F, Kovalchuk S, Skrypets T, Del Giudice I, **Chauvie S**, Patti C, Stelitano C, Ricci F, Pinto A, Margiotta Casaluci G, Zilioli VR, Merli A, Ladetto M, Bolis S, Pavone V, Chiarenza A, Arcari A, Anastasia A, Dondi A, Mannina D, Federico M;  
J Clin Oncol. 2021 Oct 28;JCO2101234. doi: 10.1200/JCO.21.01234.
8. Ceriani L, Milan L, Cascione L, Gritti G, Dalmaso F, Esposito F, Piroso MC, Schär S, Bruno A, Dirnhofer S, Giovanella L, Hayoz S, Mamot C, Rambaldi A, **Chauvie S**, Zucca E  
*Generation and validation of a PET radiomics model that predicts survival in diffuse large B cell lymphoma treated with R-CHOP14: A SAKK 38/07 trial post-hoc analysis.*  
Hematol Oncol. 2021 Oct 29. doi: 10.1002/hon.2935.