

## INFORMAZIONI PERSONALI

Chiara Lauri

## TITOLO DI STUDIO

Medico Chirurgo, specialista in Medicina Nucleare

ESPERIENZA  
PROFESSIONALE

2017-2022 **PhD in Biopharmaceuticals, Discovery, Design and Delivery (BDDD)**  
Università di Groningen, The Netherlands

2022 **Abilitazione Nazionale a Professore di II Fascia**

01.12.1019-30.07.2024 **Assegnista di Ricerca presso il Dipartimento di Scienze Medico Chirurgiche e di Medicina Traslazionale**  
"Sapienza" Università di Roma  
Progetti di ricerca: purificazione e marcatura di nanoparticelle con  $^{99m}\text{Tc}$  per la diagnosi di cancro avanzato  
Biodistribuzione della  $^{68}\text{Ga}$ -IL2 per l'imaging dei linfociti T attivati nel microambiente tumorale

## ISTRUZIONE E FORMAZIONE

2012-2018 **Specializzazione in Medicina Nucleare**  
"Sapienza" Università di Roma

2003-2010 **Laurea in Medicina e Chirurgia**  
"Sapienza" Università di Roma

## COMPETENZE PERSONALI

Lingua madre Italiana

## Altre lingue

	COMPRENSIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	B1	B2	B1	B1	B2

## Competenze comunicative

Possiedo ottime competenze comunicative e spirito di collaborazione.

**Competenze organizzative e gestionali** Ottime competenze organizzative e gestionali maturate nel corso di pianificazione ed esecuzione di studi multicentrici nazionali ed internazionali.  
Segretario del Gruppo di Studi Infezioni e Infiammazioni AIMN (Associazione Italiana di Medicina Nucleare)

**Competenze professionali** Ottime competenze di Medicina Nucleare per diagnosi e terapia radiometabolica di malattie oncologiche e nello studio delle infezioni.

**Competenze digitali**

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
Intermedio	Intermedio	Intermedio	Base	Intermedio

Livelli: Utente base - Utente intermedio - Utente avanzato  
[Competenze digitali - Scheda per l'autovalutazione](#)

**Patente di guida** B

**ULTERIORI INFORMAZIONI**

**Pubblicazioni**

M. Poggi, C. Pascucci, S. Monti, P. Pugliese, Lauri C. G. Amodeo, G. Girelli and V. Toscano. Prevalence of Growth hormone (GH) Deficiency in Adult polytransfused  $\beta$ -Thalassaemia patients (TM) and correlation with Transfusional and Chelation Parameters. *Journal of Endocrinological Investigation*, 2010, Sep; 33 (8): 534 – 538. doi: 10.1007/BF03346643

Poggi M, Sorrentino F, Pascucci C, Monti S, Lauri C, Bisogni V, Toscano V, Cianciulli P. Malignancies in  $\beta$ -thalassaemia patients: first description of two cases of thyroid cancer and review of the literature. *Hemoglobin*. 2011;35(4):439-46. doi: 10.3109/03630269.2011.588355.

Poggi M, Monti S, Lauri C, Pascucci C, Bisogni V, Toscano V. Primary empty sella and GH deficiency: prevalence and clinical implications. *Ann Ist Super Sanita*. 2012;48(1):91-6. doi: 10.4415/ANN\_12\_01\_15.

Signore A, Lauri C, Galli F. Radiolabelled Probes Targeting Infection and Inflammation for Personalized Medicine. *Curr Pharm Des*. 2014;20(14):2338-45. doi: 10.2174/13816128113196660666.

Iodice V, Laganà B, Lauri C, Capriotti G, Germano V, D'Amelio R, Picchianti Diamanti A. Imaging B lymphocytes in autoimmune inflammatory diseases. *Q J Nucl Med Mol Imaging*. 2014; 58(3):258-68.

Cicone F, Papa A, Lauri C, Tofani A, Virili C, Centanni M, Scopinaro F, Annibale B. Thyro-gastric autoimmunity in patients with differentiated thyroid cancer: a prospective study. *Endocrine*. 2015 May;49(1):163-9. doi: 10.1007/s12020-014-0424-6.

Galli F, Iodice V, Lauri C, Signore A. New approaches to image thyroid cancer cells and microenvironment. *Q J Nucl Med Mol Imaging*. 2015 Jun;59(2):184-96. Epub 2015 Mar 4.

Lauri C, Di Traglia S, Galli F, Pizzichini P, Signore A. Current status of PET imaging of differentiated thyroid cancer with second generation radiopharmaceuticals. *Q J Nucl Med Mol Imaging*. 2015 Mar;59(1):105-15. Epub 2015 Mar 4.

Auletta S, Galli F, Lauri C, Martinelli D, Santino I, Signore A. Imaging bacteria with radiolabelled quinolones, cephalosporins and siderophores for imaging infection: a systematic review. *Clin Transl Imaging*. 2016;4:229-252. Epub 2016 Jul 18. Review. doi: 10.1007/s40336-016-0185-8.

Signore A, Glaudemans AWJM, Gheysens O, Lauri C, Catalano OA. Nuclear Medicine imaging in pediatric infection or chronic inflammatory diseases. *Semin Nucl Med*. 2017 May;47(3):286-303. doi: 10.1053/j.semnuclmed.2016.12.005. Epub 2017 Feb 9. Review.

Catalano O, Maccioni F, Lauri C, Auletta S, Signore A. Hybrid imaging in Crohn's disease: from SPECT/CT to PET/MR and new image interpretation criteria. *Q J Nucl Med Mol Imaging*. 2018 Mar;62(1):40-55. doi: 10.23736/S1824-4785.17.03053-9.

Glaudemans AW, Prandini N, Di Girolamo M, Argento G, Lauri C, Lazzeri E, Muto M, Sconfienza LM, Signore A. Hybrid imaging of musculoskeletal infections. *Q J Nucl Med Mol Imaging*. 2018; 62 (1):3-13. doi: 10.23736/S1824-4785.17.03045-X.

- Lauri C, Tamminga M, Glaudemans AWJM, Juárez Orozco LE, Erba PA, Jutte PC, Lipsky BA, IJzerman MJ, Signore A, Start RHJA. Detection of Osteomyelitis in the Diabetic Foot by Imaging Techniques: A Systematic Review and Meta-analysis Comparing MRI, White Blood Cell Scintigraphy, and FDG-PET. *Diabetes Care*. 2017 Aug;40(8):1111-1120. doi: 10.2337/dc17-0532.
- Sollini M, Lauri C, Boni R, Lazzeri E, Erba PA, Signore A. Current status of molecular imaging in infections. *Curr Pharm Des*. 2018;24(7):754-771. doi: 10.2174/1381612824666180110103348.
- Signore A, Anzola KL, Auletta S, Varani M, Petitti A, Pacilio M, Galli F, Lauri C. Current status of molecular imaging in inflammatory and autoimmune Disorders. *Curr Pharm Des*. 2018;24(7):743-753. doi:10.2174/1381612824666180130115153.
- Lauri C, Glaudemans AWJM, Signore A. Leukocyte imaging of the diabetic foot. *Curr Pharm Des*. 2018;24(12):1270-1276. doi: 10.2174/1381612824666180227094116.
- Pacilio M, Lauri C, Prosperi D, Petitti A, Signore A. New SPECT and PET radiopharmaceuticals for Imaging Inflammatory Diseases: A Meta-analysis of the Last 10 Years. *Semin Nucl Med*. 2018 May;48(3):261-276. doi: 10.1053/j.semnuclmed.2017.12.004
- Auletta S, Riolo D, Varani M, Lauri C, Galli F, Signore A. Labelling and clinical performance of human leukocytes labelled with (99m)Tc-HMPAO using Leukokit® with Gelofusine versus Leukokit® with HES as sedimentation agent. *Contrast Media Mol Imaging*. 2019 Mar 25;2019:4368342. doi: 10.1155/2019/4368342
- Signore A, Lauri C, Auletta S, Anzola K, Galli F, Casali M, Versari A, Glaudemans AWJM. Immuno-Imaging to predict treatment response in infection, inflammation and oncology. *J Clin Med*. 2019 May 14;8(5):681. doi: 10.3390/jcm8050681.
- Anzola LK, Rivera JN, Dierckx RA, Lauri C, Valabrega S, Galli F, Moreno Lopez S, Glaudemans AWJM, Signore A. Value of Somatostatin Receptor Scintigraphy with (99m)Tc-HYNIC-TOC in patients with Primary Sjögren Syndrome. *J Clin Med*. 2019 May 30;8(6): 763. doi: 10.3390/jcm8060763.
- Anzola LK, Lauri C, Granados CE, Laganà B, Signore A. Uptake pattern of [68Ga]Ga-DOTA-NOC in tissues: implications for inflammatory diseases. *Q J Nucl Med Mol Imaging*. 2019 Dec 13. doi: 10.23736/S1824-4785.19.03178-9. [Epub ahead of print]
- Signore A, Lauri C, Auletta S, Varani M, Onofrio L, Glaudemans AWJM, Panzuto F, Marchetti P. Radiopharmaceuticals for Breast Cancer and Neuroendocrine Tumors: Two Examples of How Tissue Characterization May Influence the Choice of Therapy. *Cancers (Basel)*. 2020 Mar 25;12(4). doi: 10.3390/cancers12040781.
- Signore A, Lauri C. RE: (99m) Tc-HMPAO-leukocyte scintigraphy and [(18)F]FDG-PET/CT in infection. *Clin Otolaryngol*. 2020 Jul; 45(4): 652-653. doi: 10.1111/coa.13553.
- Lauri C, Leone A, Cavallini M, Signore A, Giurato L, Uccioli L. Diabetic Foot Infections: The Diagnostic Challenges. *J Clin Med*. 2020;9(6):E1779. Published 2020 Jun 8. doi:10.3390/jcm9061779
- Lauri C, Glaudemans AWJM, Campagna G, et al. Comparison of White Blood Cell Scintigraphy, FDG PET/CT and MRI in Suspected Diabetic Foot Infection: Results of a Large Retrospective Multicenter Study. *J Clin Med*. 2020;9(6):E1645. Published 2020 May 30. doi:10.3390/jcm9061645
- Lauri C, Iezzi R, Rossi M, et al. Imaging Modalities for the Diagnosis of Vascular Graft Infections: A Consensus Paper amongst Different Specialists. *J Clin Med*. 2020;9(5):1510. Published 2020 May 17. doi:10.3390/jcm9051510
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Capriotti G, Varani M, Lauri C, Franchi G, Pizzichini P, Signore A. Copper-64 labeled nanoparticles for positron emission tomography imaging: a review of the recent literature. *Q J Nucl Med Mol Imaging.* 2020 Dec;64(4):346-355.

Casali M, Lauri C, Altini C, et al. State of the art of <sup>18</sup>F-FDG PET/CT application in inflammation and infection: a guide for image acquisition and interpretation. *Clin Transl Imaging.* 2021;9(4):299-339.

Signore A, Casali M, Lauri C. An easy and practical guide for imaging infection/inflammation by [<sup>18</sup>F]FDG PET/CT. *Clin Transl Imaging.* 2021;9(4):283-297

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Galli F, Varani M, Lauri C, et al. In Vivo Imaging of Thyroid Cancer with <sup>99m</sup>Tc-TR1401 and <sup>99m</sup>Tc-TR1402: A Comparison Study in Dogs. *J Clin Med.* 2021;10(9):1878. Published 2021 Apr 26.

Signore A, Campagna G, Marinaccio J, De Vitis M, Lauri C, Berardinelli F, et al. Analysis of short term and stable DNA damage in patients with differentiated thyroid cancer treated with 131I in hypothyroidism or with rhTSH for remnant ablation. *Journal of Nuclear Medicine Feb 2022*, jnumed.121.263442; DOI: 10.2967/jnumed.121.263442

Lauri C, Signore A, Gludemans A.W.J.M., Treglia G, Gheysens O, Slart R.H.J.A. et al. Evidence-based guideline of the European Association of Nuclear Medicine (EANM) on imaging infection in vascular grafts. *Eur J Nucl Med Mol Imaging* 2022 *Eur J Nucl Med Mol Imaging* 49, 3430–3451, 2022. 10.1007/s00259-022-05769-x

Varani M, Bentivoglio V, Lauri C, Ranieri D, Signore A. Methods for radiolabelling nanoparticles: SPECT use (Part 1). *Biomolecules.* 2022 Oct 20;12(10):1522.

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*Eur J Nucl Med Mol Imaging.* 2022 Feb 17. Doi: 10.1007/s00259-022-05725-9.

Signore A, Lauri C, Colandrea M, Di Girolamo M, Chiodo E, Grana CM, Campagna G, Aceti A. Lymphopenia in patients affected by SARS-CoV-2 infection is caused by margination of lymphocytes in large bowel: an [<sup>18</sup>F]FDG PET/CT study. *Eur J Nucl Med Mol Imaging.* 2022 Apr 29:1–11.

Campagna G, Anzola L.K., Varani, M, Lauri C, Gentiloni Silveri G, Chiurchioni L, Spinelli F.R., Priori R, Conti F, Signore A. Imaging Activated-T-Lymphocytes in the Salivary Glands of Patients with Sjögren's Syndrome by <sup>99m</sup>Tc-Interleukin-2: Diagnostic and Therapeutic Implications. *J. Clin. Med.* 2022, 11, 4368.

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Lauri C, Chiurchioni L, Russo VM, Zannini L, Signore A. PSMA Expression in Solid Tumors beyond the Prostate Gland: Ready for Theranostic Applications? *J Clin Med.* 2022 Nov 7;11(21):6590.

Prosperi D, Gentiloni Silveri G, Panzuto F, Faggiano A, Russo VM, Caruso D, Polici M, Lauri C, Filice A, Laghi A, Signore A. Nuclear Medicine and Radiological Imaging of Pancreatic Neuroendocrine Neoplasms: A Multidisciplinary Update. *J Clin Med.* 2022 Nov 18;11(22):6836. doi:

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Lauri C, Varani M, Bentivoglio V, Capriotti G, Signore A. Present status and future trends in molecular imaging of lymphocytes. *Semin Nucl Med.* 2023 Jan;53(1):125-134.

Lauri C, Signore A, Campagna G, Aloisi F, Taurino M, Sirignano P. [18F]FDG Uptake in Non-Infected Endovascular Grafts: A Retrospective Study. *Diagnostics* 2023, 13, 409.

Signore A, Bentivoglio V, Varani M, Lauri C. Current Status of SPECT Radiopharmaceuticals for Specific Bacteria Imaging. *Seminars in Nuclear Medicine* 2023; 53 (2): 142-151.

Lauri C, Campagna G, Aloisi F, Posa A, Iezzi R, Sirignano P, Taurino M, Signore A. How to combine CTA, 99mTc-WBC SPECT/CT, and [18F]FDG PET/CT in patients with suspected abdominal vascular endograft infections? *Eur J Nucl Med Mol Imaging.* 2023 Jun 27; 1-16

Bentivoglio, V.; Nayak, P.; Varani, M.; Lauri, C.; Signore, A. Methods for Radiolabeling Nanoparticles (Part 3): Therapeutic Use. *Biomolecules* 2023, 13, 1241. <https://doi.org/10.3390/biom13081241>  
Manta, R.; Lauri, C.; Taurino, M.; Signore, A. Imaging of Vascular Graft/Endograft Infection with Radiolabeled White Blood Cell Scan and [18F]FDG PET/CT. *Hemato* 2023, 4, 285–300. <https://doi.org/10.3390/hemato4040023>

Lauri, C.; Campagna, G.; Glaudemans, A.W.J.M.; Slart, R.H.J.A.; van Leer, B.; Pillay, J.; Colandrea, M.; Grana, C.M.; Stigliano, A.; Signore, A. SARS-CoV-2 Affects Thyroid and Adrenal Glands: An 18F-FDG PET/CT Study. *Biomedicines* 2023, 11, 2899.

Lauri C, Noriega-Álvarez E, Chakravarty RM, Gheysens O, Glaudemans AW, Slart RH, Kwee TC, Lecouvet F, Panagiotidis E, Zhang-Yin J, Martinez JL. Diagnostic imaging of the diabetic foot: an EANM evidence-based guidance. *European Journal of Nuclear Medicine and Molecular Imaging.* 2024 Mar 27:1-8.

Bentivoglio V, Galli F, Varani M, Ranieri D, Nayak P, D'Elia A, Soluri A, Massari R, Lauri C, Signore A. Radiolabelled FGF-2 for Imaging Activated Fibroblasts in the Tumor Micro-Environment. *Biomolecules.* 2024; 14(4):491. <https://doi.org/10.3390/biom14040491>

**Dati personali** Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

la sottoscritta dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Data  
19.09.2024

f.to  
Chiara Lauri