

# Curriculum Vitae

Nilioefar Ahmadi Bidakhvidi

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## Education

|             |                                                                              |                                       |
|-------------|------------------------------------------------------------------------------|---------------------------------------|
| 2021 – 2025 | PhD in Biomedical Sciences                                                   | KU Leuven, Leuven, Belgium            |
| 2016 – 2021 | Master of Specialist Studies in Medicine<br>Specialisation: Nuclear Medicine | KU Leuven, Leuven, Belgium            |
| 2012 – 2016 | Master of Medicine<br><i>Cum laude</i>                                       | KU Leuven, Leuven, Belgium            |
| 2009 – 2012 | Bachelor in Science in Medicine<br><i>Cum laude</i>                          | KU Leuven, Leuven, Belgium            |
| 2003 – 2009 | Secondary education: latin-sciences                                          | Klein Seminarie, Hoogstraten, Belgium |

## Work Experience

|                |                                                                                        |                                    |
|----------------|----------------------------------------------------------------------------------------|------------------------------------|
| 2021 – present | Nuclear Medicine Physician                                                             | UZ Leuven, Leuven, Belgium         |
| 2023           | European Neuroendocrine Tumor Society (ENETS) Center of Excellence (CoE) Preceptorship | Erasmus MC, Rotterdam, Netherlands |
| 2020 – 2021    | Resident Nuclear Medicine                                                              | ZOL Genk, Genk, Belgium            |
| 2018 – 2020    | Resident Nuclear Medicine                                                              | UZ Leuven, Leuven, Belgium         |
| 2017 – 2018    | Resident Internal Medicine                                                             | AZ Turnhout, Turnhout Belgium      |
| 2016 – 2017    | Resident Internal Medicine                                                             | UZ Leuven, Leuven, Belgium         |

## Awards/Grants

|             |                                                                                                                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025        | Finalist (3 <sup>rd</sup> place), European Association of Nuclear Medicine (EANM) Sanjiv Sam Gambhir Young Investigator Award                                                                                                                        |
| 2024        | EANM NextGen programme<br><i>Travel grant for early-career professionals for the EANM'24 conference.</i>                                                                                                                                             |
| 2023        | ENETS CoE Preceptorship Grant<br><i>Grant for one month preceptorship in Erasmus MC, Rotterdam, Netherlands.</i>                                                                                                                                     |
| 2023        | Travel Grant ENETS Conference<br><i>Travel grant for the 20th Annual ENETS Conference in Vienna, Austria.</i>                                                                                                                                        |
| 2022 – 2024 | Grant Research Foundation - Flanders (FWO) for PhD fellowship strategic basic research<br><i>This fellowship started on November 1, 2022 and ended on September 30, 2024 (due to initiation full-time staff member position on October 1, 2024).</i> |
| 2022        | Grant 1 <sup>st</sup> NextGEN ENETS Scientific Workshop in Uppsala, Sweden                                                                                                                                                                           |
| 2021        | 3 <sup>rd</sup> place Young Nuclearist Challenge at Belgian Association of Nuclear Medicine (BELNUC) Symposium                                                                                                                                       |

## Working groups

|                |                           |
|----------------|---------------------------|
| 2024-2025      | RLT4BE action 3 group     |
| 2023 - Present | AI working group - BELNUC |

## Scientific publications

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- **Ahmadi Bidakhvidi N\***, Lara Jimenez E\*, Leupe H, Jentjens S, Baldewijns M, De Schepper M, Laenen A, Devos G, Giesen A, Koole M, Deroose CM, Everaerts W, Joniau S, Goffin K. Interreader agreement of intraprostatic prostate cancer detection, local extension and staging using [<sup>18</sup>F]PSMA-1007 PET and whole-mount radical prostatectomy specimens. *EJNMMI Res.* 2026 Jan 9;16(1):11.  
\*: shared first author
- Giesen A, Devos G, Tosco L, Goffin K, **Ahmadi Bidakhvidi N**, Laenen A, Baldewijns M, Gevaert T, Petit V, Mai C, Raskin Y, Van Haute C, Goeman L, De Meerleer G, Berghen C, Devlies W, Claessens F, Van Poppel H, Everaerts W, Joniau S. Final Results of the Randomised Phase 2 Trial of Neoadjuvant Degarelix with or Without Apalutamide Prior to Radical Prostatectomy for High-risk Prostate Cancer (ARNEO). *Eur Urol Oncol.* 2025 Dec 29:S2588-9311(25)00331-1.
- Gebruers J, Terwinghe C, Graven LH, Everaert H, Baete K, Koole M, Goffin K, **Ahmadi Bidakhvidi N\***, Deroose CM\*. Extravasation of Therapeutic Radiopharmaceuticals: A Systematic Review and Management Proposal. *J Nucl Med.* 2025 Dec 3;66(12):1948-1955.  
\*: shared last author
- **Ahmadi Bidakhvidi N**, Giesen A, Devos G, Laenen A, Baldewijns M, Koole M, Deroose CM, Everaerts W, Joniau S, Goffin K. Relationship between [<sup>18</sup>F]PSMA-1007 PET parameters and biochemical recurrence-free survival in high-risk prostate cancer patients receiving neoadjuvant hormonal treatment. *Eur J Nucl Med Mol Imaging.* 2025 Nov 13.
- de With G, Tinsley T, Mikolajczak R, Visvikis D, Boix Mansilla C, Lazaro Pavel G, Marco C, Baatout S, **Ahmadi Bidakhvidi N**. Advancing targeted radionuclide therapy in nuclear medicine – A future perspective. *EANM Innovation.* 2025 Oct 12;1:100007.
- Nys A, **Ahmadi Bidakhvidi N**, Jentjens S, Laenen A, Devos G, Deroose CM, Everaerts W, Joniau S, Goffin K. Intra-individual comparison of PSMA PET and whole-body MRI in patients with biochemically recurrent prostate cancer. *Clinical and Translational Imaging.* 2025, 1-11.
- Leupe H, **Ahmadi Bidakhvidi N**, Goffin K, Van den Broeck B, Jentjens S, Laenen A, Pauwels E, Lybaert W, Van Cutsem E, Bormans G, Vandamme T, Cleeren F, Dekervel J, Geboes K, Stroobants S, Verslype C, Deroose CM. Comparison of inter- and intraobserver agreement between [<sup>18</sup>F]AlF-NOTA-octreotide and [<sup>68</sup>Ga]Ga-DOTA-SSA PET/CT. *EJNMMI Rep.* 2025 May 15;9(1):17.
- **Ahmadi Bidakhvidi N**, Gevaert T, De Schepper M, Baldewijns M, Havinga E, Deckers W, Laenen A, Devos G, Giesen A, Joniau S, Koole M, Everaerts W, Deroose CM, Goffin K. Comparison of PSMA immunohistochemistry scoring systems to parametric [<sup>18</sup>F]PSMA-1007 PET/MRI in primary prostate cancer. *Eur J Nucl Med Mol Imaging.* 2024 Sep 13.
- **Ahmadi Bidakhvidi N\***, Claes P\*, Giesen A, Joniau S, De Wever L, Van Laere K, Koole M, Jentjens S, Deroose CM, Goffin K. PSMA PET/CT and PET/MRI in primary staging of prostate cancer and its effect on patient management. *Clin Transl Imaging.* 2024;12(1):31-54.  
\*: shared first author
- Ambrosini V, Carrilho Vaz S, **Ahmadi Bidakhvidi N**, Chanchou M, Cysouw MCF, Serani F, Voltin CA, Kraeber-Bodere F, Deroose CM, De Geus-Oei LF, Eiber M, Gnanasegaran G, Gotthardt M, Kobe C, Konijnenberg MW, Nanni C, Oprea Lager DE, Rahbar K, Taieb D, Mottaghy FM, Goffin K, Herrmann K. How to attract young talent to nuclear medicine step 1: a survey conducted by the EANM Oncology and Theranostics Committee to understand the expectations of the next generation. *Eur J Nucl Med Mol Imaging.* 2023 Sep 9.
- Lybaert W, Vandamme T, Mariën L, Islam O, Chhajlani S, Van der Massen I, **Ahmadi Bidakhvidi N**, Deroose CM. Highlights from the European Neuroendocrine Tumour Society Congress. *Belg J Med Oncol* 2023;17(4):139–49.
- **Ahmadi Bidakhvidi N\***, Lens G\*, Vandecaveye V, Grauwels S, Deckers W, Dekervel J, Verslype C, Van Cutsem E, Koole M, Goffin K, Van Laere K, Deroose CM. Intra-individual comparison of <sup>68</sup>Ga-DOTATATE PET/CT and PET/MR. *Ther Adv Med Oncol.* 2023 Oct 24;15:17588359231189133.

\*: shared first author

- Ahire V., **Ahmadi Bidakhvidi N.**, ... , Deroose CM, ... , et al. (2023). Radiobiology of combining radiotherapy with other cancer treatment modalities. In Radiobiology Textbook (pp. 311-386). Cham: Springer International Publishing.
- Vanerwegen E, **Ahmadi Bidakhvidi N**, Vergote VKJ, Janssens A, Deroose CM. Cerebellar hypermetabolism in a Hodgkin lymphoma leads to diagnosis of paucisymptomatic cryptococcus neoformans meningitis. Clin Nucl Med. 2023 Aug 1;48(8):e374-e376.
- Deleu AL, **Ahmadi Bidakhvidi N**, Van Wynsberge L, Van Laere K, De Meerleer G, Goffin K. [18F]PSMA-1007 PET/CT in the detection of neoplastic lumbosacral plexopathy as an emerging and underestimated spread of prostate cancer. Eur J Nucl Med Mol Imaging. 2022 Sep;49(11):3950-3951.
- **Ahmadi Bidakhvidi N**, Van Craenenbroeck AH, Oyen R, Van Laere K, Goffin K. Renal Infarction Imaged with 18F-PSMA-1007 PET/CT. Clin Nucl Med. 2022 Feb 1;47(2):172-173.
- Jentjens S, Mai C, **Ahmadi Bidakhvidi N**, De Coster L, Mertens N, Koole M, Everaerts W, Joniau S, Oyen R, Van Laere K, Goffin K. Prospective comparison of simultaneous [68Ga]Ga-PSMA-11 PET/MR versus PET/CT in patients with biochemically recurrent prostate cancer. Eur Radiol. 2022 Feb;32(2):901-911.
- **Ahmadi Bidakhvidi N**, Goffin K, Dekervel J, Baete K, Nackaerts K, Clement P, Van Cutsem E, Verslype C, Deroose CM. Peptide Receptor Radionuclide Therapy Targeting the Somatostatin Receptor: Basic Principles, Clinical Applications and Optimization Strategies. Cancers (Basel). 2021 Dec 28;14(1):129.
- Gans D, Braet P, **Ahmadi Bidakhvidi N**, Deroose CM, Decallonne B, Jentjens S. 18F-FDG PET/CT sheds a Light on a Case of Hyponatremia. J Nucl Med. 2021 Nov;62(11):1653-1654
- **Ahmadi Bidakhvidi N**, Cuyle PJ, Sagaert X, Ballaux F, Deroose CM. 68Ga-DOTATATE PET/CT Distinguishes Neuroendocrine Tumor Mesenteric Lymph Node Metastasis From an Extensive IgG4-Positive Fibrosis Surrounding It. Clin Nucl Med. 2021 Oct 1;46(10):e510-e512.
- **Ahmadi Bidakhvidi N**, Laenen A, Jentjens S, Deroose CM, Van Laere K, De Wever L, Mai C, Berghen C, De Meerleer G, Haustermans K, Joniau S, Everaerts W, Goffin K. Parameters predicting 18F-PSMA-1007 scan positivity and type and number of detected lesions in patients with biochemical recurrence of prostate cancer. EJNMMI Res. 2021 Apr 30;11(1):41.
- **Ahmadi Bidakhvidi N**, Goffin K, Van Laere K, Gheysens O, Blockmans D. 18F-FDG PET in Giant Cell Arteritis. Clin Nucl Med. 2020 Feb;45(2):170-171.

## Scientific conference abstracts

### Oral presentations

- Relationship between [18F]PSMA-1007 PET parameters and biochemical recurrence-free survival in high-risk prostate cancer patients receiving neoadjuvant hormonal treatment. Ahmadi Bidakhvidi N, Giesen A, Devos G, Laenen A, Baldewijns M, Koole M, Deroose CM, Everaerts W, Joniau S, Goffin K. **EANM Congress 2025**, Barcelona, Spain
- Whole-body comparison of <sup>68</sup>Ga-DOTATATE PET/CT and PET/MR. Ahmadi Bidakhvidi N, Lens G, Vandecaveye V, Grauwels S, Deckers W, Laenen A, Dekervel J, Clement PM, Verslype C, Nackaerts K, Van Cutsem E, Koole M, Goffin K, Van Laere K, Deroose CM. **Belgian Week of Gastroenterology 2023, Belgian Group of Digestive Oncology (BGDO) session**, Antwerp, Belgium
- An Unexpected Culprit of SVC Syndrome. Ahmadi Bidakhvidi N, Van Otzel RP, Cornillie J, Drieskens O, Van Laere K, Deraedt K, Criel M, Mesotten L. **Virtual BELNUC 2021 Symposium**
- Parameters Predicting <sup>18</sup>F-PSMA-1007 scan Positivity and Type and Number of Detected Lesions in Patients with Biochemical Recurrence of Prostate Cancer. Ahmadi Bidakhvidi N, Laenen A, Jentjens S, Deroose CM, Van Laere K, Berghen C, Haustermans K, Joniau S, Everaerts W, Goffin K. **EANM 2020**, Virtual Congress

- A rare presentation of vasculitis on  $^{18}\text{F}$ -FDG PET/CT in a patient with FUO. Ahmadi Bidakhvidi N, Goffin K, Verbeken E, Van Laere K, Blockmans D, Gheysens O. **BELNUC Biannual Symposium 2019**, Liege, Belgium
- Comparison of Hybrid  $^{68}\text{Ga}$ -DOTATATE PET/CT and PET/MR in Patients with Neuroendocrine Tumors: Initial Results. Ahmadi Bidakhvidi N, Goffin K, Van Cutsem E, Koole M, Verslype C, Van Laere K, Deroose CM. **BELNUC Biannual Symposium 2017**, Ghent, Belgium

### Poster presentations

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- Relationship between [ $^{18}\text{F}$ ]PSMA-1007 PET response parameters and biochemical recurrence-free survival in high-risk prostate cancer patients receiving neoadjuvant hormonal treatment. Ahmadi Bidakhvidi N, Giesen A, Devos G, Laenen A, Baldewijns M, Koole M, Deroose CM, Everaerts W, Joniau S, Goffin K. **BELNUC 23<sup>rd</sup> Symposium 2025**, Bruges, Belgium
- Predictive role of [ $^{18}\text{F}$ ]PSMA-1007 PET parameters in biochemical recurrence-free survival in high-risk prostate cancer patients receiving neoadjuvant hormonal treatment. Ahmadi Bidakhvidi N, Giesen A, Devos G, Laenen A, Baldewijns M, Koole M, Deroose CM, Everaerts W, Joniau S, Goffin K. **Belgian Multidisciplinary meeting on Urological Cancers (BMUC) Conference 2025**, Brussels, Belgium
- Comparison of PSMA Immunohistochemistry Scoring Systems to Parametric [ $^{18}\text{F}$ ]PSMA-1007 PET/MRI in Primary Prostate Cancer. Ahmadi Bidakhvidi N, Gevaert T, De Schepper M, Baldewijns M, Havinga E, Deckers W, Laenen A, Devos G, Giesen A, Joniau S, Koole M, Everaerts W, Deroose CM, Goffin K. **EANM Congress 2024**, Hamburg, Germany
- Intra-individual comparison of  $^{68}\text{Ga}$ -DOTATATE PET/CT and PET/MR. Ahmadi Bidakhvidi N, Lens G, Vandecaveye V, Grauwels S, Deckers W, Laenen A, Dekervel J, Verslype C, Van Cutsem E, Koole M, Goffin K, Van Laere K, Deroose CM. **ENETS Conference 2023**, Vienna, Austria
- Simplified semi-quantification of [ $^{18}\text{F}$ ]PSMA-1007 uptake in treatment-naïve primary prostate cancer. Ahmadi Bidakhvidi N, Koole M, Everaerts W, Joniau S, Deroose CM, Goffin K. **EANM Congress 2022**, Barcelona, Spain
- Exacerbation of Necrolytic Migratory Erythema after  $^{177}\text{Lu}$ -DOTATATE PRRT. Ahmadi Bidakhvidi N, Vanden Bulcke A, Curvers S, De Haes P, De Hertogh G, Van Cutsem E, Deroose CM. **ENETS Conference 2022**, Barcelona, Spain
- The role of  $^{68}\text{Ga}$ -DOTATATE PET/CT in extensive IgG4-positive fibrosis surrounding a mesenteric lymph node metastasis of a neuroendocrine tumor: a case report. Ahmadi Bidakhvidi N, Cuyle PJ, Sagaert X, Ballaux F, De Bruecker Y, Deroose CM. **ENETS Virtual Conference 2021**

### Invited speaker

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- **Secure Special Event 2025, Brussels, Belgium**  
SECURE Special Event – Advancing in Supply, Safety and Strength in Radioisotopes Production and Use for Nuclear Medicine: Innovations and Perspectives  
Panel member in panel discussion with topic: The Need for Novel Infrastructures, Technologies, Radiopharmaceutical Development, and Regulatory Solutions for Broad Availability of Medical Radionuclides.  
Moderator: Tim Tinsley  
Panellists: Ronald Schram, Marco Capogni, Sarah Baatout, Niloefar Ahmadi Bidakhvidi
- **EANM 2024 Congress, Hamburg, Germany**
  - PET/MRI: basic principles and clinical applications in LIPS session (PET/MRI - What should we know?)
  - Transatlantic comparison: who does what and why in PSMA-image guided therapy. Patient selection for  $^{177}\text{Lu}$ -PSMA in Challenge the expert session (Expert Oliver Sartor).
- **EANM 2023 Congress, Vienna, Austria**  
Extravasation in radionuclide therapy – a step by step guide

- **BGDO (Belgian Group of Digestive Oncology) Educational Program 2023, livestream (Belgium)**  
Recent developments in diagnosis and treatment in neuroendocrine tumors
- **DECU (Dutch Endocrine Conference Update) 2022, Rotterdam, Belgium**  
What's new in somatostatin receptor theranostics?
- **1<sup>st</sup> NextGen ENETS Scientific Workshop 2022, Uppsala Sweden**  
Intra-individual comparison of <sup>68</sup>Ga-DOTATATE PET/CT and PET/MR
- **DECU 2021, Rotterdam, Belgium**  
Complexe Casuïstiek - Theranostics

## Thesis guidance for Master's and Postgraduate students

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| 2024 – 2025 | Co-supervisor Postgraduate Studies in Advanced Medical Imaging<br>Student: Elena Lara Jimenez<br>Thesis: Interreader agreement of intratumoral prostate cancer detection, localisation and staging using [ <sup>18</sup> F]PSMA-1007 PET/MRI<br><i>Research paper</i> |
| 2023 – 2025 | Co-supervisor Master of Specialist Studies (Nuclear Medicine) in Medicine<br>Student: Anika Nys<br>Thesis: Intra-individual comparison of PSMA PET and whole-body MRI in patients with biochemically recurrent prostate cancer<br><i>Research paper</i>               |
| 2021 – 2024 | Co-supervisor Master of Specialist Studies (Nuclear Medicine) in Medicine<br>Student: Pieter Claes<br>Thesis: PSMA PET/CT and PET/MRI in primary staging of prostate cancer and its effect on patient management<br><i>Review paper</i>                               |
| 2021 – 2023 | Co-supervisor Master of Specialist Studies (Nuclear Medicine) in Medicine<br>Student: Géraldine Lens<br>Thesis: Intra-individual qualitative and quantitative comparison of [ <sup>68</sup> Ga]Ga-DOTATATE PET/CT and PET/MRI<br><i>Research paper</i>                |
| 2021 – 2022 | Co-supervisor Master of Medicine<br>Student: Louis-Philippe Boret<br>Thesis: <sup>177</sup> Lu-PSMA in prostate cancer: current status and future perspectives<br><i>Review paper</i>                                                                                 |