

# Layal Jambi

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## Personal Profile

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<b>Name</b>	Layal Khalid Jambi
<b>Date of birth</b>	June 19 <sup>th</sup> , 1988
<b>Place of birth</b>	Riyadh, Saudi Arabia
<b>Nationality</b>	Saudi
<b>Marital status</b>	Single
<b>Gender</b>	Female

## Education

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<b>2014 – In progress, PhD</b>	University of Leicester, Department of Physics and Astronomy, Bioimaging Unit, Leicester, United Kingdom
<b>2012 – 2013, MSc</b>	University of Surrey, Faculty of Engineering and Physical Sciences, Medical Physics, Guildford, United Kingdom <b>Thesis:</b> Optimisation of X-ray CT within SPECT/CT studies
<b>2005 – 2010, BSc</b>	King Saud University, College of Applied Medical Sciences, Radiological Sciences, Riyadh, Saudi Arabia <b>Degree:</b> very good, GPA 4.31 out of 5.
<b>2005, High school diploma</b>	Al-Abna'a high school, Riyadh, Saudi Arabia

## Employment history

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<b>2016 - Present</b>	<b>Lecturer</b> at King Saud University, College of Applied Medical Sciences, Radiological Sciences, Riyadh, Saudi Arabia.
<b>2011 - 2016</b>	<b>Demonstrator</b> at King Saud University, College of Applied Medical Sciences, Radiological Sciences, Riyadh, Saudi Arabia.
<b>2010 - 2011</b>	<b>Radiologic Internship</b> at King Faisal Specialist Hospital and Research Centre, Radiology Department, Riyadh, Saudi Arabia

## English degree certificate

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- EL7000 – for postgraduate and staff **English Language for Academic Purposes**, 16 hours course, June 2014. University of Leicester, Leicester, United Kingdom.
- Full-time **Pre-Sessional English Course**, 21 hours per week, 20 weeks from 23<sup>rd</sup> Jan – 30<sup>th</sup> March, 23<sup>rd</sup> April – 29<sup>th</sup> June 2012. Post-Intermediate Plus. University of Surrey, Guildford, United Kingdom.
- **IELTS**, 10<sup>th</sup> March 2012. Guildford, United Kingdom. Overall Band of 6.5, Listening 7, Reading 6, Writing 6.5, Speaking 6.5.

## Clinical experience

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September 2010 – February 2011	<b>Nuclear Medicine (Area of interest)</b> <ul style="list-style-type: none"><li>▪ Intern, King Faisal Specialist Hospital &amp; Research Centre.</li></ul>
August 2010	<b>Computed Tomography (CT)</b> <ul style="list-style-type: none"><li>▪ Intern, King Faisal Specialist Hospital &amp; Research Centre</li></ul>
July 2010	<b>Magnetic Resonance Imaging (MRI)</b> <ul style="list-style-type: none"><li>▪ Intern, King Faisal Specialist Hospital &amp; Research Centre</li></ul>
June 2010	<b>Ultrasound</b> <ul style="list-style-type: none"><li>▪ Intern, King Faisal Specialist Hospital &amp; Research Centre</li></ul>
May 2010	<b>Nuclear Medicine</b> <ul style="list-style-type: none"><li>▪ Intern, King Faisal Specialist Hospital &amp; Research Centre.</li></ul>
April 2010	<b>Angiography</b> <ul style="list-style-type: none"><li>▪ Intern, King Faisal Specialist Hospital &amp; Research Centre</li></ul>
April 2010	<b>Fluoroscopy</b> <ul style="list-style-type: none"><li>▪ Intern, King Faisal Specialist Hospital &amp; Research Centre</li></ul>
March 2010	<b>General X-ray</b> <ul style="list-style-type: none"><li>▪ Intern, King Faisal Specialist Hospital &amp; Research Centre</li></ul>
July – August 2009	<b>Medical Imaging Department</b> Summer Trainee, King Abdulaziz Medical City- National Guard Health Affairs.
2007 - 2010	Training hours in <b>different Radiology Modalities</b> in <b>KKUH, KAUH, KFMC and KSMC</b> during academic years as part of the requirements.

## Seminars, workshops and symposium attended

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- **2016 IEEE NSS and MIC**, 29<sup>th</sup> October – 5<sup>th</sup> November 2016. Palais des Congrès, Strasbourg, France.
- **European Congress of Radiology (ECR) 2016**, 2<sup>nd</sup> – 6<sup>th</sup> March 2016. Austria Centre Vienna, Vienna, Austria.
- **KFMC Conference on Physics and Engineering in Medicine**, 11<sup>th</sup> – 15<sup>th</sup> Oct 2015. King Fahad Medical City KFMC. Riyadh, KSA.
- **British Nuclear Medicine Society (BNMS) Autumn Meeting**, 2<sup>nd</sup> Sep 2015, Royal Society of Medicine, London, United Kingdom.
- **British Nuclear Medicine Society (BNMS) 43<sup>rd</sup> Annual Spring Meeting**, 27<sup>th</sup> April 2015, Brighton Centre, Brighton, United Kingdom.
- **2<sup>nd</sup> Saudi Academic Forum in Leicester**, 25<sup>th</sup> April 2015. De Montfort University. Leicester, United Kingdom.
- **Preparing to Teach in High Education HE Program**, 6<sup>th</sup> and 10<sup>th</sup> March 2015, University of Leicester, Leicester, United Kingdom
- **Leicester diagnostic symposium: Targets and Technologies**, 9<sup>th</sup> March 2015, University of Leicester, Leicester, United Kingdom.
- **1<sup>st</sup> Saudi Academic Forum in Leicester**, 7<sup>th</sup> March 2015. De Montfort University. Leicester, United Kingdom.
- **Advances in Intraoperative Nuclear Imaging**, 17<sup>th</sup> Feb 2015, College Court, University of Leicester, Leicester, United Kingdom.
- **British Institute of Radiology BIR Annual Congress**, 22<sup>nd</sup> -23<sup>rd</sup> Oct 2014, 30 Euston Square, London, United Kingdom.
- **ImageJ workshop ‘Introduction to ImageJ/Fiji’**, 14<sup>th</sup> April, 2014. University of Leicester, Leicester, United Kingdom.
- **The 3<sup>rd</sup> Radiology Technology Conference**, 23<sup>rd</sup> -25<sup>th</sup> April, 2012. King Fahad Medical City. Riyadh, KSA.
- **1<sup>st</sup> Saudi Academic Forum**, February 2012. University of Manchester. Manchester, United Kingdom.
- **1<sup>st</sup> Symposium of Diagnostic Imaging in Ophthalmology**, December 2011. King Khalid Eye Specialist Hospital. Riyadh, KSA.
- **The 6<sup>th</sup> Saudi Conference on Medical Physics**, December 2011. Nayarah Hall. Riyadh, KSA.
- **Workshop of Zotero**, October, 2011. King Saud University. Riyadh, KSA.
- **Workshop of the use of the electronic university databases**, October, 2011. King Saud University. Riyadh, KSA.
- **Writing a Research Proposal Course for Health Care Provider**, 1th June 2011. King Fahad Medical City. Riyadh, KSA.
- **Research Methodology: Systematic Review**, 22<sup>nd</sup> May, 2011. College of Applied Medical Sciences. Riyadh, KSA
- **Unleashing the power within**, 12<sup>th</sup> May, 2011. Riyadh, KSA
- **Radiology Update**, April, 2011. King Khalid University Hospital. Riyadh, KSA.
- **The 2<sup>nd</sup> Radiology Technology Conference**, April, 2011. Riyadh International Exhibition Centre. Riyadh, KSA.

- **Stroke Imaging Course for Radiographers**, December, 2010. Holiday Inn .Riyadh, KSA.
- **5<sup>th</sup> Saudi Conference on Medical Physics**, October, 2010. King Faisal Specialist Hospital .Riyadh, KSA.
- **The 1<sup>st</sup> Radiology Technologist Symposium**, April, 2010. Riyadh International Exhibition Centre. Riyadh, KSA.
- **The 6<sup>th</sup> Annual Scientific conference of the Radiological Society of Saudi Arabia**, March, 2010. InterContinental Hotel. Riyadh, KSA.
- **International Conference on Radiation Medicine**, March, 2010. King Faisal Specialist Hospital .Riyadh, KSA.
- **SPECT/CT Course and Workshop**, November, 2009. King Faisal Specialist Hospital .Riyadh, KSA.
- **PACs Administrator Course** April, 2009. King Faisal Specialist Hospital, Riyadh, KSA.
- **Venipuncture in Radiology**, May, 2009. King Saud University. Riyadh, KSA.
- **Nuclear Cardiology Course**, March, 2008. King Faisal Specialist Hospital, Riyadh, KSA.
- **Radiology Educational Activities**, March, 2008. Riyadh, KSA.
- **Medical Physics Course**, September, 2007. King Fahad Cultural Centre. Riyadh, KSA.
- **PACs Experiences in Saudi Arabian Hospitals Course**, September, 2007. King Fahad Cultural Centre. Riyadh, KSA.
- **Pediatric Review Course**, September, 2007. King Fahad Cultural Centre. Riyadh, KSA.
- **Body Interventional Radiology**, September, 2007. King Fahad Cultural Centre. Riyadh, KSA.
- **Varicose Veins Management**, September, 2007. King Fahad Cultural Centre. Riyadh, KSA.
- **First International Annual Riyadh Radiology Review**, September, 2007. King Fahad Cultural Centre. Riyadh, Saudi Arabia.

## **Publications**

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- S.L. Bugby, **L.K. Jambi** and J.E. Lees, *A comparison of CsI:Tl and GOS in a scintillator-CCD detector for nuclear medicine imaging*. Journal of Instrumentation, 2016. 11(09): p. P09009-P09009.
- M.S. Alqahtani, J.E. Lees, S.L. Bugby, **L.K. Jambi** and A.C. Perkins, *Quantitative investigation of a novel small field of view hybrid gamma camera (HGC) capability for sentinel lymph node detection*. The British Journal of Radiology, 2016(89): p. P20160435.
- M.S. Alqahtani, J.E. Lees, S.L. Bugby, **L.K. Jambi** and A.C. Perkins, *Lymphoscintigraphic imaging study for quantitative evaluation of a small field of view SFOV gamma camera*. Journal of Instrumentation, 2015. 10(07): p. P07011-P07011.
- **L.K. Jambi**, J.E. Lees, S.L. Bugby, S. Tipper, M.S. Alqahtani and A.C. Perkins, *Evaluation of a CdTe detector for medical imaging*. Journal of Instrumentation, 2015. 10(06): p. P06012-P06012.

- J.E. Lees, S.L. Bugby, B.S. Bhatia, **L.K. Jambi**, M.S. Alqahtani, W.R. McKnight, A.H. Ng and A.C. Perkins, *A small field of view camera for hybrid gamma and optical imaging*. Journal of Instrumentation, 2014. 9(12): p. C12020-C12020.

## Presentations

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- **L.K. Jambi**, J.E. Lees, S.L. Bugby, M.S. Alqahtani, B.S. Bhatia, W.R. McKnight, N.S. Dawood, A.H. Ng and A.C. Perkins, *Comparison of columnar scintillators and pixelated scintillators for small field of view hybrid gamma camera imaging*, poster presentation presented for IEEE 2016 NSS and MIC, Palais des Congrès, Strasbourg, France. 29<sup>th</sup> October – 5<sup>th</sup> November 2016.
- S.L. Bugby, J.E. Lees, M.S. Alqahtani, **L.K. Jambi**, M.A. Stammes, H.J.M. Handgraaf and A.C. Perkins, *Portable hybrid gamma-near-infrared fluorescence imaging* electronic poster presented in The European Association of Nuclear Medicine EANM'16, Barcelona, Spain. 15<sup>th</sup> – 19<sup>th</sup> October 2016.
- J.E. Lees, S.L. Bugby, M.S. Alqahtani, **L.K. Jambi**, N.S. Dawood, A.H. Ng and A.C. Perkins, *A high-resolution hybrid gamma-optical camera for intraoperative imaging*, electronic poster presented in The European Association of Nuclear Medicine EANM'16, Barcelona, Spain. 15<sup>th</sup> – 19<sup>th</sup> October 2016.
- M.S. Alqahtani, J.E. Lees, S.L. Bugby, **L.K. Jambi**, B.S. Bhatia, W.R. McKnight, N.S. Dawood, A.H. Ng and A.C. Perkins, *Quantitative analysis of a novel small field of view hybrid gamma camera (HGC) capability for sentinel lymph node detection*, oral presentation presented for The 1<sup>st</sup> European Congress of Medical Physics, Eugenides foundation, Athens, Greece. 1<sup>st</sup> – 4<sup>th</sup> September 2016.
- A.C. Perkins, A.H. Ng, S.L. Bugby, P. Blackshaw, M.S. Alqahtani and **L.K. Jambi**, J.E. Lees, *A novel compact hybrid optical-gamma-camera: First clinical results*, oral presentation presented for The Society of Nuclear Medicine and Molecular Imaging (SNMMI) Annual Meeting 2016, San Diego Convention Centre, San Diego, US. 11<sup>th</sup> – 15<sup>th</sup> June 2016.
- **L.K. Jambi**, J.E. Lees, S.L. Bugby, M.S. Alqahtani, B.S. Bhatia, W.R. McKnight, N.S. Dawood, A.H. Ng and A.C. Perkins, *Development of small field of view gamma camera imaging*, electronic poster presented for The European Congress of Radiology (ECR) 2016, Austria Centre Vienna, Vienna, Austria. 2<sup>nd</sup> – 6<sup>th</sup> March 2016.
- M.S. Alqahtani, J.E. Lees, S.L. Bugby, **L.K. Jambi**, B.S. Bhatia, W.R. McKnight, N.S. Dawood, A.H. Ng and A.C. Perkins, *Investigation of a novel small field of view hybrid compact gamma camera (HCGC) for scintigraphic imaging*, electronic poster presented for The European Congress of Radiology (ECR) 2016, Austria Centre Vienna, Vienna, Austria. 2<sup>nd</sup> – 6<sup>th</sup> March 2016.

- M.S. Alqahtani, J.E. Lees, S.L. Bugby, **L.K. Jambi**, B.S. Bhatia, W.R. McKnight, N.S. Dawood, A.H. Ng and A.C. Perkins, *Investigation of a novel small field of view hybrid compact gamma camera (HCGC) for scintigraphic imaging*, oral presentation presented for The European Congress of Radiology (ECR) 2016 , Austria Centre Vienna, Vienna, Austria. 2<sup>nd</sup> – 6<sup>th</sup> March 2016.
- N.S. Dawood, J.E. Lees, S.L. Bugby, **L.K. Jambi**, M.S. Alqahtani, W.R. McKnight and A.C. Perkins, *A method for source-depth estimation using a Hybrid Gamma Camera*, poster presentation presented in BIR annual congress, 30 Euston square, London, United Kingdom. 5<sup>th</sup> Nov 2015.
- M.S. Alqahtani, J.E. Lees, S.L. Bugby, **L.K. Jambi**, B.S. Bhatia, W.R. McKnight, N.S. Dawood, A.H. Ng and A.C. Perkins, *Assessment of a novel hybrid optical-gamma camera for nuclear scintigraphic imaging*, oral presentation presented for The 8<sup>th</sup> Saudi Medical Conference, King Fahad Medical City KFMC, Riyadh, Saudi Arabia. 11<sup>th</sup> – 15<sup>th</sup> Oct 2015.
- **L.K. Jambi**, J.E. Lees, S.L. Bugby, M.S. Alqahtani, B.S. Bhatia, W.R. McKnight, N.S. Dawood, A.H. Ng and A.C. Perkins, *A High-Resolution Gamma-Optical Hybrid Camera for Medical Imaging*, oral presentation presented for The 8<sup>th</sup> Saudi Medical Conference, King Fahad Medical City KFMC, Riyadh, Saudi Arabia. 11<sup>th</sup> – 15<sup>th</sup> Oct 2015.
- A.H. Ng, S.L. Bugby, **L.K. Jambi**, M.S. Alqahtani, D.Clay, P.E. Blackshaw, P.S. Morgan, J.E. Lees and A.C. Perkins, *Hybrid optical-gamma camera for intraoperative imaging: a flexible phantom to assess system performance for sentinel node detection*, poster presentation presented for International conference on clinical PET-CT and molecular imaging (IPET 2015), Vienna. 5<sup>th</sup> – 9<sup>th</sup> Oct 2015.
- J.E. Lees, A.C. Perkins, S.L. Bugby, B.S. Bhatia, **L.K. Jambi**, M.S. Alqahtani, W.R. McKnight, N.S. Dawood and A.H. Ng, *A High-Resolution Hand held Hybrid Camera for Gamma and Optical Imaging*, poster presentation presented in The BNMS Autumn meeting, Royal Society of Medicine, London, United Kingdom. 2<sup>nd</sup> Sep 2015.
- **L.K. Jambi**, *What is going on inside your body?*, presented for Festival of postgraduate research at University of Leicester, Leicester, United Kingdom. 6<sup>th</sup> July 2015.
- M.S. Alqahtani, J.E. Lees, S.L. Bugby, **L.K. Jambi** and A.C. Perkins, *Assessment for a novel hybrid optical-gamma camera for lymphoscintigraphic imaging*, poster presentation presented in The UK Radiological Congress, Arena and convention centre, Liverpool, United Kingdom. 29<sup>th</sup> June 2015.
- **L.K. Jambi**, *What is going on inside your body?*, presented for 3 minute competition at University of Leicester, Leicester, United Kingdom. 21<sup>st</sup> May 2015.
- **L.K. Jambi**, *Evaluation of a CdTe detector for medical imaging*, presented in University of Leicester, Leicester, United Kingdom. 18<sup>th</sup> Feb 2015.
- **L.K. Jambi**, J.E. Lees, S.L. Bugby, B.S. Bhatia, M.S. Alqahtani, W.R. McKnight, A.H. Ng and A.C. Perkins, *Performance of Hybrid Gamma-Optical Camera for Improved*

*Utility in Diagnostic Imaging*, poster presentation presented in BIR annual congress, 30 Euston square, London, United Kingdom. 22<sup>nd</sup> Oct 2014.

- M.S Alqahtani, J.E. Lees, S.L. Bugby, B.S Bhatia, **L.K Jambi**, W.R. McKnight, A.H.Ng and A.C. Perkins, *Lymphoscintigraphic phantom study using a novel hybrid optical gamma camera*, poster presentation presented in BIR annual congress, 30 Euston square, London, United Kingdom. 22<sup>nd</sup> Oct 2014.
- R. Ahmad Razali, P. Hadjitheodorou, **L.K. Jambi**, M. Marshall, J. Wardle, *The Challenges of Small Field Dosimetry*, presented in University of Surrey, Guildford, United Kingdom. May 2013.
- **L.K. Jambi**. *The Role of Nuclear Medicine in Treatment of Cancer*, presented in University of Surrey, Guildford, United Kingdom. June 2012.
- **L.K. Jambi**. *How the Harmful Effects of Radiation can affect Human Health*, presented in University of Surrey, Guildford, United Kingdom. March 2012.
- **L.K. Jambi**. *The role of nuclear medicine*. Presented in The 2<sup>nd</sup> Saudi Radiology Technologists Conference, Riyadh International Exhibition Centre, Saudi Arabia .12<sup>th</sup> April 2011.
- **L.K. Jambi**, *Treatment of Liver Ca with TheraSphere*. Presented in King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia. Feb 2011.

## Extracurricular activities

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<b>March 2015</b>	Photographer in Saudi Journalists Club in UK (Twitter: E3lamukpho)
<b>Jan 2014 – Present</b>	Social media specialist in Saudi students club in Leicester, United Kingdom (Instagram: Leicester_sa)
<b>March 2009 - 2010</b>	Managing the Website of Radiology Club
<b>May 2009</b>	Contribution in organizing The first Asthma Awareness Campaign
<b>December 2009</b>	The osteoporosis Awareness Fair

## Skills and strengths

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- Hard-working, punctual and reliable technologist with good organizational skills
- Active team member, self-started
- Ability to establish and maintain good working relations with people of different national and cultural backgrounds
- **Computer Skills:** Microsoft office (Word, PowerPoint), Internet explorer
- **Languages:** Arabic (native language), English (Good in reading and writing)

## Certificates

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Principles of leadership and management

- Solving problems and making decision, completed on 11<sup>th</sup> Dec 2015.
- Planning and allocating work, completed on 12<sup>th</sup> Jan 2016.
- Understanding conflict management in the workplace, completed on 17<sup>th</sup> Jan 2016.

- Understanding stress management in the workplace, completed on 21<sup>st</sup> Jan 2016.
- Understanding discipline in the workplace, completed on 21<sup>st</sup> Jan 2016.
- Understanding the induction of new staff in the workplace, completed on 21<sup>st</sup> Jan 2016.
- Understanding organizing and delegating in the workplace, completed on 25<sup>th</sup> Feb 2016.
- Leading and motivating a team effectively, completed on 16<sup>th</sup> Mar 2016.
- Understanding leadership, completed on 16<sup>th</sup> Mar 2016.

## **References**

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Available upon request