



Curriculum Vitae Europass

Personal information

Given Name/Family Name **Luca Nocetti**

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Nationality Italian

Date of Birth 14 Nov 1976

Sex Male

Working Experience

January 2011 – present Qualified Expert

AOU Policlinico di Modena, Via del Pozzo, 71, 41124 Modena Italia

January 2010 – present Medical Physicist (permanent position)

AOU di Modena, Via del Pozzo, 71, 41124 Modena Italia
Fisica Medica

July 2009 – present "Esperto Responsabile sito RM"

AOU di Modena, Via del Pozzo, 71, 41124 Modena Italia

July 2002 – December 2009 Physicist

AOU di Modena, Via del Pozzo, 71, 41124 Modena Italia

Education and Training

2014- March 2016	<p>PhD – Thesis Title: “Hepatic hemodynamic characterization through MR perfusion and angiography techniques”</p> <p>PhD School "Multiscale Modelling, Computational Simulations and Characterization in Material and Life Sciences"</p> <p>Cycle XXVIII</p> <p>Università degli studi di Modena e Reggio Emilia</p>
March 2011	<p>-----</p> <p>Corso di Formazione per Esperti Responsabili della Sicurezza in Risonanza Magnetica</p> <p>Scuola Superiore di Fisica in Medicina “P. Caldirola”</p> <p>-----</p>
June 2010	<p>Qualified Expert Qualification (I degree - n.747)</p> <p>-----</p> <p>Ministero del Lavoro e delle Politiche Sociali</p> <p>-----</p>
2003 – July 2007	<p>Medical Physics Specialitation</p> <p>-----</p> <p>Università di Firenze, Facoltà di Medicina</p> <p>-----</p>
1995 – Dicembre 2000	<p>Master in Physics</p> <p>-----</p> <p>Università degli Studi di Bologna</p> <p>-----</p>

Personal SkillsMother tongue **Italian**Other Languages **English****English**

Understanding		Speaking		Writing
Listening	Reading	Spoken Interaction	Spoken Production	
B2	B2	B1	B2	B1

Computer skills Windows e Linux, MATLAB, VBA, image analysis software SPM, FSL, MEDINRIA, ImageJ.

Teaching Experience

c/o Università di Modena e Reggio Emilia:

- CdL TRMIR, "Apparecchiature - Risonanza Magnetica", all'interno dell'insegnamento: "Tomografia Computerizzata ed Apparecchiature" dall' a.a. 2012-13
- CdL TRMIR, "Elaborazione Immagini Digitali", all'interno dell'insegnamento "Scienze Tecniche di radiodiagnostica" RAD_270_03 dall' a.a. 2013-14
- Scuola di Specializzazione in Radiodiagnostica: Modulo di "Apparecchiature di Risonanza Magnetica"

Other Informations

2013-2015: Membro del Consiglio Direttivo Nazionale dell'Associazione Italiana di Fisica Medica (AIFM)

ANNEXES

Annexes 1 Publications

Luca Nocetti


Annexes 1

Publications

- ✓ Belli *G*, **Nocetti L.** et al. "Quality assurance multicenter comparison of different MR scanners for quantitative diffusion-weighted imaging.", *jMRI*, 2016 Jan, 43(1):213-219. . doi: 10.1002/jmri.24956
 - ✓ Bertolini *M*, Benecchi *G*, Amici *M*, Piola *A*, Piccagli *V*, Giordano *C*, **Nocetti L.**, "Attenuation assessment of medical protective eyewear: the AVEN experience." *J Radiol Prot.* 2016 Jun;36(2):279-89. doi: 10.1088/0952-4746/36/2/279.
 - ✓ Ciarmatori *A*, **Nocetti L**, Mistretta *G*, Zambelli *G*, Costi *T.*, "Reducing absorbed dose to eye lenses in head CT examinations: the effect of bismuth shielding.", *Australas Phys Eng Sci Med.* 2016 Apr 20. [Epub ahead of print]
 - ✓ Gardini *S*, Venneri *A*, McGeown *WJ*, Toraci *C*, **Nocetti L**, Porro *CA*, Caffarra *P.*, "Brain Activation Patterns Characterizing Different Phases of Motor Action: Execution, Choice and Ideation.", *Brain Topogr.* 2016 Apr 1
 - ✓ Fiocchi *F*, Petrella *E*, **Nocetti L**, Currà *S*, Ligabue *G*, Costi *T*, Torricelli *P*, Facchinetti *F*, " Transvaginal ultrasound assessment of uterine scar after previous caesarean section: comparison with 3T- magnetic resonance diffusion tensor imagin", *Radiol med.*2015 Feb; 120(2):228-238.
-
- Campanella *M*, Molinari *E*, Baraldi *P*, **Nocetti L**, Porro *CA*, Alexander *DC*, " An algorithm to estimate anatomical connectivity between brain regions using diffusion MRI." *Magn Reson Imaging.* 2013 Apr;31(3):353-8.
 - Molinari *E*, Baraldi *P*, Campanella *M*, Duzzi *D*, **Nocetti L**, Pagnoni *G*, Porro *CA*, " Human parietofrontal networks related to action observation detected at rest *Cerebral Cortex* 2013 23(1):178-186.
 - Fiocchi *F*, **Nocetti L**, Siopis *E*, Currà *S*, Costi *T*, Ligabue *G*, Torricelli *P.*, " In vivo 3 T MR diffusion tensor imaging for detection of the fibre architecture of the human uterus: a feasibility and quantitative study.", *Br J Radiol.* 2012 Jun 27
 - Guaraldi *G*, Besutti *G*, Stentarelli *C*, Zona *S*, **Nocetti L**, Loria *P*, Ballestri *S*, Losi *L*, Torricelli *P*, Ligabue *G.*, "Magnetic resonance for quantitative assessment of liver steatosis: a new potential tool to monitor antiretroviral-drug-related toxicities", *Antivir Ther.* 2012 Jul 5
 - McGeown *WJ*, Venneri *A*, Kirsch *I*, **Nocetti L**, Roberts *K*, Foan *L*, Mazzoni *G.*, " Suggested visual hallucination without hypnosis enhances activity in visual areas of the brain", *Conscious Cogn.* 2012 Mar;21(1):100-16
 - Venneri *A*, Gorgoglione *G*, Toraci *C*, **Nocetti L**, Panzetti *P*, Nichelli *P*; " Combining Neuropsychological and Structural Neuroimaging Indicators of Conversion to Alzheimer's Disease in Amnesic Mild Cognitive Impairment", *Curr Alzheimer Res.* 2011 Nov;8(7):789-97;
 - Nocetti, *L.*, Mantovani, *A.*, Vallone, *S.*, Costi, *T.*, Carpeggiani, *P.*, Pinna, *G.*; Phase contrast MR as non-invasive tool in the diagnosis of benign intracranial hypertension", *Neuroradiology Journal* 2012; 24(2):271-2;

- Politi L, Biondi-Zoccai G, **Nocetti L**, Costi T, Monopoli D, Rossi R, Sgura F, Modena MG, Sangiorgi GM, "Reduction of scatter radiation during transradial percutaneous coronary angiography: a randomized trial using a lead-free radiation shield", *Catheter Cardiovasc Interv.* 2012 Jan 1;79(1):97-102
- Martini, N., **Nocetti, L.**, Santarelli, M.F., Danielli, C., Landini, L., Chiappino, D. "A semi-automatic method for SWI processing", *IFMBE Proceedings*; 25(2), 356-9
- Contini, D., Torricelli, A., Pifferi, A., Spinelli, L., Cubeddu, R., Nocetti, L., Porro, C.A., Baraldi, P.; "Simultaneous acquisition of time-domain fNIRS and fMRI during brain cortex activity", *Biomedical Optics, BIOMED 2008*; pp BMD8
- Torricelli, A., Contini, D., Pifferi, A., Spinelli, L., Cubeddu, R., Nocetti, L., Manginelli, A.A., Baraldi, P.; "Simultaneous acquisition of time-domain fNIRS and fMRI during motor activity", *Progress in Biomedical Optics and Imaging - Proceedings of SPIE 2007*; 6631, 66310A
- Torricelli, A., Contini, D., Pifferi, A., Spinelli, L., Cubeddu, R., Nocetti, L., Manginelli, A.A., Baraldi, P.; "Simultaneous acquisition of time-domain fNIRS and fMRI during motor activity", *Optics InfoBase Conference Papers*; 2007
- Bartolo A, Benuzzi F, **Nocetti L**, Baraldi P, Nichelli P. "Humor comprehension and appreciation: an fMRI study". *Journal of Cognitive Neuroscience*, 2006 Nov 18(11): 1789-1798.
- Tugnoli V, Schenetti L, Mucci A, Parenti F, Cagnoli R, Righi V, Trincherò A, **Nocetti L**, Toraci C et al. "Ex vivo HR-MAS MRS of human meningiomas: a comparison with in vivo 1H MR spectra". *Int J Mol Med.* 2006 Nov;18(5):859-69.
- Tugnoli V, Schenetti L, Mucci A, **Nocetti L**, Toraci C et al. "A comparison between in vivo and ex vivo HR-MAS 1H MR spectra of a pediatric posterior fossa lesion". *Int J Mol Med* 2005 aug; 16(2): 301-307.

Congress:

- o **Nocetti L**, Orlandi M, Duzzi D, Baraldi P, Porro CA. "Parcelation of the human premotor cortex with DTI technique" *Proceedings of ISMRM, 18th Scientific meeting (2010)*
- o Siopis E., **Nocetti L** et al. "In vivo Magnetic Resonance Diffusion Tensor Imaging for detection of fiber architecture of human uterus" *Proceedings of ECR (2010) - oral communications*
- o Mantovani A., **Nocetti L.** et al. "Un metodo noninvasivo per diagnosticare l'Ipertensione Liquorale Benigna mediante RM Phase-contrast", *Proceedings of AINR (2009)*
- o **Nocetti L**, Mantovani A, Tavani F., Cobelli M, Danielli C, Pinna G: "MRI derived Intracranial Compliance in patients with Idiopathic Intracranial Hypertension", *Proceedings of ISMRM , 17th Scientific meeting (2009)*.
- o Martini N, **Nocetti L** et al. "A semi-automatic method for SWI processing" *Proceedings of Medical Physics and Biomedical Engineering, 11th World Congress, September 7-12, 2009.*
- o Baraldi P, Molinari E, **Nocetti L**, Pagnoni G, Porro CA, "Parcellation of the human premotor cortex by multimodal MRI" *Proceedings of Human Brain mapping, 15th annual meeting (2009)*
- o Colloca L, Lui F, Duzzi D, **Nocetti L**, Anchisi D, benuzzi F, Baraldi P, Benedetti F, Porro CA, "Brain correlates of conditioned placebo analgesia", *Proceedings of Human Brain Mapping, 14th annual meeting (2008)*
- o Baraldi P, Manginelli A.A., Anchisi D, Serafini M, **Nocetti L** "Can fMRI detect temporal differences in processing somatosensory information?" *Proceedings of Human brain mapping, 13th annual meeting (2007)*
- o Benuzzi F, Fioravanti V, Bartolo A, Lui F, Baraldi P, **Nocetti L**, Nichelli P "The amygdala and the prefrontal cortex in processing social emotions" *Proceedings of Human brain mapping, 13th annual meeting (2007)*
- o Gardini S, Bird D, Toraci C, **Nocetti L**, Nichelli P, Venneri A "Anatomical bases of personality traits addiction" . *Proceedings of Human brain mapping, 13th annual meeting (2007)*.

- o Canali E, Basso G, Benuzzi F, **Nocetti L**, Mavilla L, Nichelli P "A routine clinical fMRI protocol for preoperative assessment of language laterality" Proceedings of Human brain mapping, 12th annual meeting (2006)
- o Benuzzi F, Fioravanti V, Bartolo A, Lui F, Baraldi P, **Nocetti L**, Nichelli P "Explicit and Implicit processing of mental states from eyes cues" Proceedings of Human brain mapping, 12th annual meeting (2006)
- o Bartolo A, Benuzzi F, **Nocetti L**, Baraldi P, Nichelli P "What's so funny about disparagement humor? An fmri study" Proceedings of Human brain mapping, 12th annual meeting (2006)
- o Tondelli M, Benuzzi F, Bartolo A, Baraldi P, **Nocetti L**, Nichelli P "Functional lateralization of the mesial temporal lobe structures for emotional linguistic cues". Proceedings of Human brain mapping, 12th annual meeting (2006)
- o Gardini S, **Nocetti L**, Toraci C, Nichelli P, Venneri A. "Comparing patterns of cocaine and heroin induced gray matter changes in abstinent individuals with long lasting history of drug addiction". Proceedings of Human brain mapping, 12th annual meeting (2006)
- o **Nocetti L**, Toraci C, Danielli C. "La spettroscopia RM multivoxel a 3T e a 1,5T - un primo confronto". Atti del IV congresso nazionale AIFM (2005); 777-780.
- o Righi V, Tugnoli V, Schenetti L, Mucci A, **Nocetti L**, Toraci C, Mavilla L, Basso G, Rovati R, Tavani F, Zunarelli E, Tosi MR. "High-resolution magic angle spinning 1H-NMR spectroscopy studies of human extra-cerebral neoplasms". Atti del XXXV National Congress on Magnetic Resonance (2005)
- o Toraci C, **Nocetti L**, Danielli C. "Ottimizzazione delle sequenze per controlli di qualità su risonanze magnetiche ad altissimo campo". Atti del IV congresso nazionale AIFM (2005); 469-472.

Invited talks:

- o **Nocetti L.**, "Spettroscopia mediante RM" in "Imaging quantitativo in RM dalle immagini ai numeri, dalla fisica alla pratica clinica", Firenze dal 24 al 26 Maggio 2018.
- o **Nocetti L.**, "Tecniche quantitative mediante DCE" in "10° Congresso Nazionale AIFM", Bari dal 12 al 15 Aprile 2018.
- o **Nocetti L.**, "Tecniche di perfusione MRI-DCE" in "Imaging quantitativo in RM:metodi, applicazioni, garanzia di qualità", Firenze dal 18 al 20 Maggio 2017.
- o **Nocetti L.**, "Strategie di acquisizione e tecniche di ricostruzione avanzata" in "I Controlli di Qualità nelle procedure RM avanzate", Brescia, 5 Novembre 2015.
- o **Nocetti L.**, "Tecniche di parallel imaging e loro applicazioni" in "Applicazioni avanzate in rm: dai principi fisici al neuroimaging", Perugia, 26 Maggio 2009.
- o **Nocetti L** , Basso G. "fMRI: problematiche e vantaggi nell'impiego di tomografi con campi statici fino a 3 Tesla". Forum Mediterraneo di Fisica Medica (2005)