

PERSONAL INFORMATION

Luca Facchetti, MD EDiR



WORK EXPERIENCE

- since 10/2018 **Radiology Physician**
 Spedali Civili di Brescia, Department of Radiology, I division. Director: dr. L. Grazioli
 Subspecialized in Breast Radiology and Intervention
- since 05/2019 **Radiology residency program helping Professor**
 University of Brescia, Italy. Director: prof. D. Farina
 Breast Imaging lessons
- 2010-2012 **Students tutor**
 School of Medicine and Surgery, University of Brescia
 ▪ Support the students and teach them how to study efficiently
- 2005-2012 **Private teacher**
 ▪ Lessons of mathematics, physics, chemistry

EDUCATION AND TRAINING

- 04/2018 – 05/2018 **Clinical Fellowship: breast imaging**
 South General Hospital Breast Center (Södersjukhuset Bröstcentrum), Stockholm/Sweden.
 Director: dr. Ann Sundbom, MD PhD. Tutor: dr. Brigitte Wilczek, MD PhD
 ESOR Bracco Clinical Fellowship
- 02-2018 **European Diploma in Radiology (EDiR)**
 European Board of Radiology, Vienna.
 Certification of excellence in line with the European Training Curriculum for Radiology
- 08/2013 – 08/2018 **Radiology residency program**
 University of Brescia, Italy.
 Program Directors: prof. R. Maroldi and prof. D. Farina
 Score: 50/50, cum laude
- 06/2015 – 06/2016 **Research Fellowship**
 Radiology and Biomedical Imaging Department, University of California, San Francisco.
 Supervisor and Director: prof. T.M. Link, MD PhD.
 Musculoskeletal and Nuclear medicine imaging. Basic science experience.
- 02/2013 **Italian Board of Medicine**

<http://ordinemedici.brescia.it/>

10/2012 **Medical Diploma**
 University of Brescia - IT
 Score: 110/110, cum laude

6/2006 **High School Diploma**
 Liceo Scientifico A. Calini, Brescia - IT
 Score: 100/100

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

I like to be involved in multicultural and multi-ethnic environment:

- during the year at the University of San Francisco I worked with a team of medical doctors and engineers coming from different states.
- I have been a point of reference for a lot of medical students and colleagues during the residency program

Organizational / managerial skills

I have been the basketball team leader for many years and I organized the study-groups during the university period.

Job-related skills

- General medical skill
- Radiology specialist
- Breast imaging
- Mouse basic handling and euthanasia. PET/CT small animals. Mouse surgery.

Computer skills

- Excellent command of Microsoft Office™ tools
- Excellent command of Microsoft or Apple OS

Other skills

Creating paper origami. Enjoy many sports, in particular swimming, basketball, running and biking.

Driving license

- Class A3 and B European license
- Class C California license

ADDITIONAL INFORMATION

Publications
 Presentations
 Projects
 Conferences
 Seminars
 Honors and awards
 Memberships

Awards and Grants:

- Bracco clinical fellowship and grant (2018)
 Awarded to excellent young radiologist
- Best student of the institution and grant (2004-2005-2006)
 Awarded to the student of the institution with the highest scores
- Bronze Medal at the "Italian Olympic Games of Math and Physics" (2005)

References

- University of Brescia Scholarship (2012)
Awarded to the students who graduate with the top score

Publications:

- **Facchetti L**, Berta L, Mascaro L, Maroldi R
“Can Sinogram-Affirmed Iterative Reconstruction Improve the Detection of Small Hypervascular Liver Nodules with Dual-Energy CT?”
J Comput Assist Tomogr. 2014 Sep-Oct;38(5):693-9. doi: 10.1097/RCT.000000000000105
- Castelnuovo F, **Facchetti L**
“Switch terapeutici nell’infezione da HIV-1: il ruolo di atazanavir/”
Open source, Menthalia, Bristol-Myers Squibb, 2014
- Maroldi R, Ravanelli M, Farina D, **Facchetti L**, Bertagna F, Lombardi D, et al.
“Post-treatment Evaluation of Paranasal Sinuses After Treatment of Sinonasal Neoplasms.”
Neuroimaging Clin N Am. 2015 Nov;25(4):667-85. doi: 10.1016/j.nic.2015.07.009
- Menni K, **Facchetti L**, Cabassa P
“Pelvic and abdominal extra-pelvic endometriosis: assessment with MR Imaging. A pictorial review.”
Br J Radiol. 2016 Apr;89(1060):20150672. doi: 10.1259/bjr.20150672
- Pampaloni MH, **Facchetti L**, Nardo L
“Pitfalls in 18F-FDG PET Imaging in Gynecological Malignancies”
Q J Nucl Med Mol Imaging. 2016 Mar 3
- Goldman LH, Tang K, **Facchetti L**, Heilmeier U, Joseph GB, Nevitt MC, McCulloch CE, Souza RB, Link TM
“Role of thigh muscle cross-sectional area and strength in progression of knee cartilage degeneration over 48 months - data from the Osteoarthritis Initiative.”
Osteoarthr. Cartil. 24, 2082–2091. 2016
- Gersing AS, Schwaiger BJ, Heilmeier U, Joseph GB, **Facchetti L**, Kretschmar M, Lynch JA, McCulloch CE, Nevitt MC, Steinbach LS, Link TM.
“Evaluation of Chondrocalcinosis and Associated Knee Joint Degeneration Using MR Imaging: Data from the Osteoarthritis Initiative.”
Eur Radiol 27, 2497–2506. 2017
- Guimaraes JB, **Facchetti L**, Schwaiger BJ, Gersing AS, Majumdar S, Ma BC, Li X, Link TM.
“Evolution of Intrameniscal Signal-Intensity Alterations Detected on MRI Over 24 Months in Patients With Traumatic Anterior Cruciate Ligament Tear.”
AJR Am J Roentgenol 208, 386–392. 2017
- **Facchetti L**, Schwaiger BJ, Gersing AS, Guimaraes JB, Nardo L, Majumdar S, Ma BC, Link TM, Li X; UCSF-P50-ACL Consortium; AF-ACL Consortium.
“Cyclops lesions detected by MRI are frequent findings after ACL surgical reconstruction but do not impact clinical outcome over 2 years.”
Eur Radiol 27, 3499–3508. 2017
- Gong J, Pedoia V, **Facchetti L**, Link TM, Ma CB, Li X.
“Bone marrow edema-like lesions (BMELs) are associated with higher T1p and T2 values of cartilage in anterior cruciate ligament (ACL)-reconstructed knees: a longitudinal study.”
Quant Imaging Med Surg 6, 661–670. 2016
- Samaan MA, **Facchetti L**, Pedoia V, Tanaka MS, Link TM, Souza RB, Ma CB, Li X.
“Cyclops lesions are associated with altered gait patterns and medial knee joint cartilage degeneration at 1 year after ACL-reconstruction.”
J. Orthop. Res. 35, 2275–2281. 2017
- Schwaiger BJ, Kopperdahl DL, Nardo L, **Facchetti L**, Gersing AS, Neumann J, Lee KJ, Keaveny TM, Link TM.
“Vertebral and femoral bone mineral density and bone strength in prostate cancer patients

assessed in phantomless PET/CT examinations.”
Bone 101, 62–69. 2017

- Gersing AS, Schwaiger BJ, Nevitt MC, Joseph GB, Chanchek N, Guimaraes JB, Mbapte Wamba J, **Facchetti L**, McCulloch CE, Link TM.
“Is Weight Loss Associated with Less Progression of Changes in Knee Articular Cartilage among Obese and Overweight Patients as Assessed with MR Imaging over 48 Months? Data from the Osteoarthritis Initiative.”
Radiology 284, 508–520. 2017
- Lambert JW, Phillips ED, Villanueva-Meyer JE, Nardo L, **Facchetti L**, Gould RG.
“Axial or Helical? Considerations for wide collimation CT scanners capable of volumetric imaging in both modes.”
Med Phys 44, 5718–5725. 2017
- Schwaiger BJ, Mbapte Wamba J, Gersing AS, Nevitt MC, **Facchetti L**, McCulloch CE, Link TM.
“Hyperintense signal alteration in the suprapatellar fat pad on MRI is associated with degeneration of the patellofemoral joint over 48 months: data from the Osteoarthritis Initiative.”
Skeletal Radiol. 47, 329–339. 2018
- Guimaraes JB, Zanoteli E, Link TM, de Camargo LV, **Facchetti L**, Nardo L, Fernandes ADRC.
“Sporadic Inclusion Body Myositis: MRI Findings and Correlation With Clinical and Functional Parameters.”
AJR Am J Roentgenol 209, 1340–1347. 2017
- Guimaraes JB, Nevitt MC, McCulloch CE, Schwaiger BJ, Gersing AS, **Facchetti L**, Bucknor MD, Chanchek N, Liu F, Joseph GB, Link TM.
“Association of weight change with progression of meniscal intrasubstance degeneration over 48 months: Data from the Osteoarthritis Initiative.”
Eur Radiol 28, 953–962. 2018
- Guimaraes JB, **Facchetti L**, Schwaiger BJ, Gersing AS, Li X, Link TM.
“Natural evolution of popliteomeniscal fascicle tears over 2 years and its association with lateral articular knee cartilage degeneration in patients with traumatic anterior cruciate ligament tear”
Eur Radiol. doi: 10.1007/s00330-017-5279-9
- Kazakia GJ, Carballido-Gamio J, Lai A, Nardo L, **Facchetti L**, Pasco C, Zhang CA, Han M, Parrott AH, Tien P, Krug R.
“Trabecular bone microstructure is impaired in the proximal femur of human immunodeficiency virus-infected men with normal bone mineral density.”
Quant Imaging Med Surg 8:5–13. doi: 10.21037/qims.2017.10.10
- Poggio AD, **Facchetti L**, Ranza A, Facchetti F, Pazzaglia U, Bondioni MP.
“Primary lymphoma of the distal radius of a child: imaging features.”
Radiol Case Rep 13, 1279–1284. <https://doi.org/10.1016/j.radcr.2018.08.025> 2018
- Gersing AS, Schwaiger BJ, Nevitt MC, Zarnowski J, Joseph GB, Feuerriegel G, Jungmann PM, Guimaraes JB, **Facchetti L**, McCulloch CE, Link TM.
“Weight loss regimen in obese and overweight individuals is associated with reduced cartilage degeneration: 96-month data from the Osteoarthritis Initiative.”
Osteoarthr. Cartil. 27, 863–870. <https://doi.org/10.1016/j.joca.2019.01.018> 2019

Oral Presentations and Posters:

- **Facchetti L**, Berta L, Mascaro L, Pittiani F, Romanini L, Maroldi R
“Can Sinogram-Affirmed Iterative Reconstruction Improve the Detection of Small Hypervascular Liver Nodules with Dual-Energy CT?”
ECR 2013 (oral presentation and poster <http://dx.doi.org/10.1594/ecr2013/B-0705>)
- Berta L, Mascaro L, **Facchetti L**, Cuomo R, Botturi E, Maroldi R
“Contrast-to-noise ratio and lesion-to-liver contrast of low dose and fused images acquisitions with dual-energy CT of hypervascular liver lesions in patients with HCC”
ECR 2013 (poster <http://dx.doi.org/10.1594/ecr2013/C-2270>)
- **Facchetti L**, Berta L, Mascaro L, Faietti E, Pinardi C, Feroldi P, Maroldi R
“Detection improvement of small liver lesions with dual energy CT an IR”

AIFM 2014 (poster)

- **Facchetti L**, Berta L, Mascaro L, Maroldi R
“Iterative reconstruction SAFIRE and dual-energy CT: an optimal protocol set-up for the study of the liver lesions”
SIRM 2014, Florence IT (oral presentation)
- **Facchetti L**, Schwaiger BJ, Brandao Guimaraes J, Gersing AS, Ma CB, Link TM, Li X
“Cyclops lesions do not worsen clinical outcome two years after anterior cruciate ligament surgery”
ECR 2016 (oral presentation and poster)
- **Facchetti L**, Nardo L, Pampaloni MH
“Comparison between PET/CT scans obtained with 5.0 and 10.0 mCi of 18F-NaF”
ECR 2016 (poster)
- Gersig AS, Schwaiger BJ, Zarnowski J, Feuerriegel G, **Facchetti L**, Brandao Guimaraes J, Chancheck N, Nevitt M, McCulloch C, Link TM
“Weight loss is associated with slower cartilage degeneration over 96 months in obese and overweight subjects: data from the Osteoarthritis Initiative”
ECR 2016 (oral presentation)
- **Facchetti L**, Nardo L, Loo K, Algazi A, Tsai K, Daud A, Pampaloni MH
“18F-FDG PET/CT prognostic value in the treatment of metastatic melanoma with anti-PD1 monoclonal antibodies”
ECR 2016 (oral presentation)
- Nardo L, **Facchetti L**, Loo K, Algazi A, Tsai K, Daud A, Pampaloni MH
“Prognostic value of baseline 18F-FDG PET/CT and laboratory parameters in treatment of metastatic melanoma with anti-PD1 monoclonal antibodies”
ECR 2016 (oral presentation)
- Krug R, Lai A, Nardo L, **Facchetti L**, Han M, Kazakia GJ, Carballido-Gamio J
“High-Resolution MRI to Assess Trabecular Bone Microstructure in the Proximal Femur of HIV-Infected Men”
ISMRM 2016 (oral presentation)
- Samaan MA, **Facchetti L**, Tanaka MS, Link TM, Souza RB, Ma CB, Li X
“Coordination Variability is Altered after ACL-Reconstruction and is Associated with Knee Cartilage Lesion Progression”
OARSI 2016 (poster)
- Wang A, Pedoia V, **Facchetti L**, Link TM, Ma CB, Li X
“MR T1ρ and T2 of meniscus two years after anterior cruciate ligament reconstruction”
OARSI 2016 (poster)
- Gersig AS, Feuerriegel G, Zarnowski J, Schwaiger BJ, Joseph GB, Brandao Guimaraes J, **Facchetti L**, Chancheck N, Heilmeyer U, Jungmann PM, Nevitt M, McCulloch C, Link TM
“Association of weight loss with slower cartilage degeneration over 96 months in overweight subjects: data from the Osteoarthritis Initiative”
OARSI 2016 (poster)
- Hernandez Pampaloni M, Nardo L, Algazi A, Tsai K, Loo K, **Facchetti L**, Ortiz-Urda S, Daud A
“Correlation of 18F-fluorodeoxyglucose PET/CT imaging and T cell exhaustion for predicting treatment response in patients with advanced melanoma treated with checkpoint inhibitor monotherapy”
ASCO 2016 (Poster)
- Chancheck N, Gersig AS, Zarnowski J, **Facchetti L**, Schwaiger BJ, Brandao Guimaraes J, Nevitt M, McCulloch C, Link TM
“Association of diabetes mellitus and structural knee abnormalities and cartilage degeneration assessed by T2 relaxation time measurements: Data from the Osteoarthritis Initiative”
ISS 2016 (Oral presentation)
- Nardo L, **Facchetti L**, Martin T, Wolf J, Hope T, Link TM, Hernandez Pampaloni M
“Radiologist confidence in assessing Multiple Myeloma lesions on different whole body

modalities: PET/MRI, PET/CT and Whole Body MRI"
SNMMI 2016 (Oral presentation)

- Kazakia GJ, Carballido-Gamio J, Han M, Lai A, Nardo L, **Facchetti L**, Pasco C, Chiyuan Zhang A, Hutton Parrott A, Tien P, Krug R
"Trabecular Bone Microstructure is Impaired in the Proximal Femur of HIV-Infected Man with Normal Bone Mineral Density"
RSNA 2016 (oral presentation)
- Brandao Guimaraes J, Nevitt M, McCulloch C, Schwaiger BJ, Gersing AS, **Facchetti L**, Bucknor M, Chancheck N, Liu F, Joseph G, Link TM
"Association of weight change with progression of meniscal degeneration over 48 months: Data from the Osteoarthritis Initiative"
RSNA 2016 (oral presentation)
- Gersing AS, **Facchetti L**, Schwaiger BJ, Jungmann PM, Nevitt MC, McCulloch CE, Link TM
"Anterior Cruciate Ligament Tears and Partial Tears and their Association with Cartilage degeneration over 8 years Measured with 3T MRI T2 Relaxation Time: Data from the Osteoarthritis Initiative"
RSNA 2016 (oral presentation)
- Schwaiger BJ, Kopperdahl D, Gersing AS, **Facchetti L**, Nardo L, Lee K, Keaveny T, Link TM
"Feasibility of Osteoporosis and Bone Fragility Assessment in Prostate Cancer Patients Using PET/CT Imaging"
RSNA 2016 (oral presentation)
- Favero G, Agabiti-Rosei C, Rossini C, Nardo L, **Facchetti L**, Franceschetti L, Moretti E, Cstrezzati S, Reiter R, Rizzoni D
"Effects of melatonin long-term treatment in aging mice"
IAE 2016 (oral presentation)

Invitation lectures:

- Cone beam CT, dual energy CT, iterative reconstruction, PET/CT
"The applications of the dual-energy CT"
11/2012 – Brescia, IT
- Siemens CT-Flash users meeting
"Iterative reconstruction SAFIRE and dual-energy CT: an optimal protocol set-up"
4/2014 – Brescia IT
- Annual meeting of the radiologist of Lombardia
"Prognostic value and treatment response of the CT texture analysis of liver metastases from colon carcinoma in patients treated with Bevacizumab"
12/2014 – Milan IT
- MRI protocols for evaluating the head and neck pathologies
"Skull base and paranasal sinuses"
05/2015 – Brescia IT
- Imaging naso sinusale: "L'anatomia dei vicini: fossa pterigopalatina ed infratemporale, spazio buccale e masticatorio, apice orbitario e forami della base"
10/2016 – Brescia IT

Training:

- MRI Safety – University of Brescia, 2015
- HIPAA 101 - Privacy and Security for New UCSF Faculty, Staff, Trainees, Students and Volunteers (1.1) – UCSF, San Francisco, 07/2015
- 2014 Privacy Briefing – UCSF, San Francisco, 07/2015
- MRI Safety – UCSF, San Francisco, 07/2015
- IACUC (Institutional Animal Care and Use Committee) BRER (Basic Regulatory and Ethical Requirements) I – UCSF, San Francisco, 09/2015
- IACUC BRER II – UCSF, San Francisco, 09/2015
- IACUC Rodent Barrier Training – UCSF, San Francisco, 09/2015

- IACUC Mouse Cage Density Policy Training – UCSF, San Francisco, 09/2015
- Laboratory Safety for Researchers – UCSF, San Francisco, 09/2015
- Radiation Safety Training – UCSF, San Francisco, 09/2015
- IACUC Mouse Basic Handling – UCSF, San Francisco, 10/2015
- Mouse Euthanasia Training – UCSF, San Francisco, 10/2015
- Bloodborne Pathogens Training – UCSF, San Francisco, 12/2015
- Safe Shipping Training – UCSF, San Francisco, 12/2015

Seminars:

- European Congress of Radiology. Wien 03/3013
- Tumor ablation: beyond the liver. ICIO, Milano IT 12/2013
- MRI of the Salivary Glands. Milano IT 10/2014
- ESMRMB: Advanced Head & Neck MR Imaging. Zagreb, SLO 11/2014
- How the head and neck MRI should be performed? Brescia, IT 05/2015
- European Congress of Radiology. Wien 03/2016
- Ultrasound contrast medium: not only liver. Brescia, IT 02/2017
- Imaging of the teeth and the maxillary complex. Brescia, IT 10/2017
- Hepatic and biliopancreatic urgencies. Brescia, IT 11/2017
- Management and diagnosis of hepatic and biliary system pathology. Brescia, IT 11/2017
- European Congress of Radiology. Wien 02/3018
- Diagnostica per immagini in Senologia, Milano IT 03/2018
- Bruce Porter Advanced Breast MRI Course. Stockholm SE, 05/2018
- 48th SIRM national congress. Genova, IT 11/2018
- US-guided Interventional Procedures in the Breast: Hands-on Workshop. Stockholm, SE 12/2018
- Traumatic acute abdomen. Brescia, IT 05/2019

FAD:

- I Fascicolo Giornale Italiano Di Radiologia Medica. SIRM 2019
- II Fascicolo Giornale Italiano Di Radiologia Medica. SIRM 2019
- III Fascicolo Giornale Italiano Di Radiologia Medica. SIRM 2019
- Determinazione degli standard di sicurezza e impiego per le apparecchiature a risonanza magnetica. SIRM 2019

Service to community:

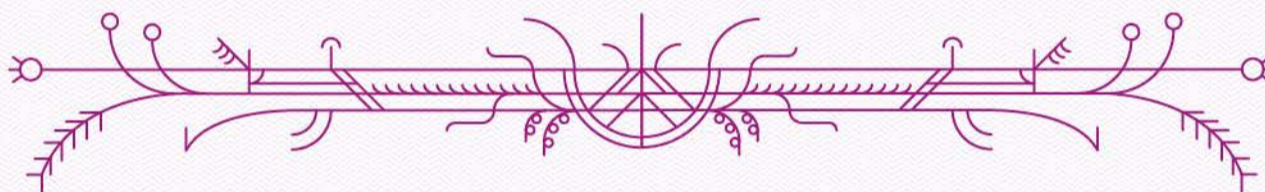
- Coordinator and team leader of the summer camps for children (2000 – 2006)
- Medicine School tutor at University of Brescia (2010 – 2012)

ATTACHEMENTS

- European Diploma in Radiology
- SIRM Screening certificate
- Letter of support dr. Wilczek
- Letter of support prof. Farina
- Letter of support prof. Nardo



EUROPEAN DIPLOMA IN RADIOLOGY

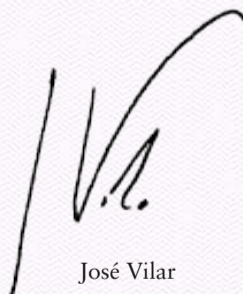


This is to certify that

Luca Facchetti

Having satisfied the examination requirements on February 27, 2018,
has been awarded the European Diploma in Radiology (EDiR)
by the European Board of Radiology (EBR).

This qualification attests a standard of radiological knowledge deemed
appropriate by the EBR for independent practice in general radiology,
based on the established European Training Curriculum for Radiology.



José Vilar
EDiR Scientific Director



Endorsed by the European Society of Radiology and the UEMS



E000101-2018



Sezione di Studio di Senologia

**Test SIRM Online
di Accuratezza Diagnostica in Mammografia di Screening**

Si attesta che il/la

Dott./Dott.sa Luca Facchetti

in data 12/07/2018, ha sostenuto e superato il Test SIRM online di accuratezza diagnostica per la mammografia di screening, riguardante donne asintomatiche con età da 50 a 70 anni.

Il Presidente
della Sezione di Studio di Senologia
Prof.ssa Chiara Zuiani

NOTA. Il test è costituito da 132 mammografie eseguite in donne asintomatiche di età tra 50 e 70 anni. I casi negativi sono stati verificati mediante un follow-up minimo di 2 anni e i casi positivi mediante esame istologico definitivo. Le soglie per il superamento del test sono state determinate mediante lettura dello stesso test da parte di 17 Radiologi esperti (esperienza mediana 11 anni e mediana di 7000 letture/anno). Sono state identificate soglie di sensibilità (62%) e specificità (86%), che derivano dal superamento del test da parte dei 2/3 dei lettori esperti. Il test è superato quando entrambe le soglie, di sensibilità e di specificità, siano state raggiunte. Un tasso di cancro d'intervallo fino al 40% (alla fine del secondo anno) è considerato accettabile dalle linee guida europee [Perry N, Broeders M, de Wolf C et al. European guidelines for quality assurance in breast cancer screening and diagnosis. Fourth Edition, 2006]. La soglia di sensibilità del test, posta al 62%, eccede quindi del 2% le condizioni statistiche per il rispetto delle linee guida, senza peraltro considerare l'effetto della doppia lettura, che nella pratica dello screening organizzato comporta un incremento del tasso di identificazione di circa il 10-15%.

