Filippo Corponi MD, MSc

Education ____

University of Edinburgh

Edinburgh, Scotland

Ph.D. IN BIOMEDICAL ARTIFICIAL INTELLIGENCE

Sep. 2021 - Expected Aug. 2024

- Fully funded by UKRI.
- Supervised by Dr. Antonio Vergari.
- Research topics: 1) digital phenotyping; 2) machine learning for mental healthcare.

University of Edinburgh

Edinburgh, Scotland

M.Sc. by Research in Biomedical Artificial Intelligence (with Distinction, 1st class)

Sep. 2020 - Aug. 2021

- Fully funded by UKRI.
- Supervised by Dr. Peggy Series.

Scuola Superiore Sant'Anna

Pisa, Italy

DIPLOMA IN MEDICAL SCIENCE (WITH DISTINCTION)

Aug. 2010 - Jun. 2017

University of Pisa

Pisa, Italy

MEDICAL DEGREE (WITH DISTINCTION)

Sep. 2009 - Oct. 2015

Experience_

NHS Lothian, South West Edinburgh CMHT

Edinbrugh

LOCUM CONSULTANT IN GENERAL ADULT PSYCHIATRY

May 2022 - Current

Clínic Hospital of Barcelona, University of Barcelona

Remote

DATA SCIENTIST

Jan. 2022 - Jan. 2023

- Led the machine learning development in Python and PyTorch to identify digital biomarkers in mood disorders from multivariate wearable data. The project was awarded the Baszucki Brain Research Fund Grant 2022 from the Milken Institute.
- Preliminary results on multi-item psychometric scales regression using BiLSTM and Transformers have been accepted to NeurIPS 2022 Workshop on Learning from Time Series for Health.

King's College London, Institute of Psychiatry, Psychology & Neuroscience

London, Uk

VISITING RESEARCH ASSISTANT

May. 2020 - Oct. 2020

- Supervised by Prof. Daniel Stahl.
- Research topics: 1) medical statistics and statistical learning; 2) machine learning for mental healthcare.

Clinic Hospital of Barcelona, University of Barcelona

Barcelona, Spain

PSYCHIATRY TRAINEE

Nov. 2018 - Oct. 2019

- Supervised by Prof. Eduard Vieta.
- 6-month rotation in bipolar and depressive disorders outpatient psychiatric clinic; 6-month rotation in bipolar and depressive disorders inpatient psychiatric clinic.

University of Bologna

Bologna, Italy

PSYCHIATRY TRAINEE

Oct. 2016 - Oct. 2020

- Supervised by Prof. Alessandro Serretti.

Selected Publications

JUNE 2024 FILIPPO CORPONI

^{*} denotes equal contributions. Please find my complete list of publications on Google Scholar.

2024	Does heart rate variability change over acute episodes of bipolar disorder? A Bayesian analysis.		URI
	= -	M. Li, G. Anmella, C. Valenzuela-Pascual, I. Pacchiarotti, M. Valentí, I. Grande, A. Benabarre, M. ta, S. M. Lawrie, H. C. Whalley, D. Hidalgo-Mazzei, A. Vergari	
2024	Wearable data from students, teachers or subjects with alcohol use disorder help detect acute mood episod via self-supervised learning		s URI
	= -	M. Li, G. Anmella, C. Valenzuela-Pascual, A. Mas, I. Pacchiarotti, M. Valentí, I. Grande, A. Garriga, E. Vieta, A. H. Young, S. M. Lawrie, H. C. Whalley, D. Hidalgo-Mazzei, A. Vergari and uHealth	
2024	Automated mood disorder symptoms monitoring from multivariate time-series sensory data: Getting the full picture beyond a single number		URL
	- ·	3. M. Li *, G. Anmella, C. Valenzuela-Pascual, A. Mas, I. Pacchiarotti, M. Valentí, I. Grande, A. Garriga, E. Vieta, S. M. Lawrie, H. C. Whalley, D. Hidalgo-Mazzei, A. Vergari psychiatry	
2023	Definition of early age at onset in bipolar disorder according to distinctive neurodevelopmental pathways: insights from the FACE-BD study		URI
	F. Corponi , A. Lefrere, M. Leboyer, F. Bellivier, O. Godin, J. Loftus, P. Courtet, C. Dubertret, E. Haffen, P.M. Llorca, and P. Roux, M. Polosan, R. Schwan, L. Samalin, E. Olié, B. Etain, P. Seriès, R. Belzeaux <i>Psychological Medicine</i>		3,
2022	B. M. Li *, F. C	d disorder symptoms from multivariate time-series sensory data orponi *, G. Anmella, A. Mas, M. Sanabra, D. Hidalgo-Mazzei, A. Vergari Shop on Learning from Time Series for Health	URI
2022	•	nts: indications, contraindications, interactions, and side effects Fabbri, A. Serretti	URI
2020	Deconstructin cross-diagnos F. Corponi , G.	g major depressive episodes across unipolar and bipolar depression by severity and duration: a tic cluster analysis on a large, international, observational study Anmella, I. Pacchiarotti, L. Samalin, N. Verdolini, D. Popovic, J.M. Azorin, J. Angst, C.L. Bowden, Young, G. Perugi, E. Vieta, A. Murru	URL
Tead	:hing		
2022 \$		tor & Demonstrator for Machine Learning in Signal Processing (MSc). iversity of Edinburgh, School of Engineering	EE11175
Skil	ls		
Programing Languages Document Creation		Python, PyTorch, TensorFlow, Keras, scikit-learn, PyMC, R English (C2), Italian (Native) Microsoft Office Suite, LaTex, Markdown	
Refe	erence		
Dr. Antonio Vergari		Reader, School of Informatics, University of Edinburgh Avergari@ed Clinical Director, NUS Lothian	
Dr. Sharon Smith		Clinical Director, NHS Lothian sharon.smith@nhslothian.scot.	.nns.uK