

Alvaro Valera Sosa

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https://www.urbanmanagement.tu-berlin.de/menue/staff_and_partners/teaching/

Educational Qualifications

CHARITÉ MEDICAL UNIVERSITY	Berlin, Germany
MScPH. Gender and Diversity	2015
TECHNICAL UNIVERSITY OF BERLIN	Berlin, Germany
Dipl. Arch. (homol.)	2013
UNIVERSIDAD CENTRAL DE VENEZUELA	Caracas, Venezuela
Dipl. Arch. Building Design	2002

Experience

TECHNICAL UNIVERSITY OF BERLIN	Berlin, Germany
Urban Management Program	
Teaching Staff Member	2017 - current

- Organized and conducted a problem-solving urban health workshop with WHO Academy Partnerships and Engagement (2022)
- Established an international network to develop pedestrian health planning projects aiming at improving urban health governance. It involves research institutes from India, Macao, several countries in Europe and the Americas to test planning tools.

Department of Design and Building Sciences

Research Associate	October 2020 – April 2021
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- Built and motivated a cross-functional team of eight experts to create a capacity-building network for pedestrian health planning leading to an Erasmus+ partnership.
- Documented trends in healthy urban planning to participate with keynote talks at: Knowledge Alliance for E-based Urb. Practices, Cyprus (2021); COVID Talks, Universidad Católica Santiago de Chile (2020);

Architecture for Health Department W.M.	February 2013 – March 2018
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- Documented more than 50 built interventions with sound scientific background to support CVA Chalmers University with E-based design research.
- Organized and conducted a walkability master final review with WHO European Centre for Environment and Health (2016).
- Identified urban health pressing issues to participate with keynote talks at: in various plenary and keynote talks at Urban 95 Expert Assembly (2017); 9th EPH Conference Milan (2016); Walk 21 Hong Kong (2016); ICUH Intl. Conference on Urban Health (2014).

BUILDING HEALTH LAB	Berlin, Germany
Director	2018 – current

- UrbanCare R&D manager for spatial research, planning, and design tools for urban health.
- Led a partnership and won an EC Erasmus+ application 2022 (KA 20220-HED) €400 K.
- Realizes editorial tasks for the honor of at Cities & Health Journal.
- Initiated, develops, and manages the City Know-how platform from Cities & Health Journal.

Languages and Skills

Language: English native, Spanish native, German intermediate.

Technical: Expert knowledge in AutoCAD, Photoshop, and Microsoft Office, and WordPress
Good knowledge of ArcGIS and social media platforms

Laboratory: Expert in walkability and spatial inequity surveys, and urban thermal imaging

Publications

Books

- Valera Sosa, A. (2019). Healing Architecture and Evidence-based Design. In Construction and Design Manual Hospitals and Medical Facilities (pp. 27–50). DOM Publishers ISBN 978-3-86922-674-3
- Valera Sosa, A., (2017). Evidenzbasierte Designforschung. In Healing Architecture 2004-2017 (pp.116-120). Entwerfen von Krankenhäusern und Bauten des Gesundheitswesens. Braun Publishing AG. ISBN 978-3-03768-230-2
- Valera Sosa, A., & Matthys, S. (2012). From Concepts in Architecture to German Health Economics. German Ministry of Health and the Department of Hospital and Healthcare Building Design, TU-Berlin.

Peer-reviewed articles

- Valera Sosa, A. & Lindahl, G. (2022). UrbanCare Sahlgrenska, a hospital landscape co-creation case to integrate sustainable development goals. The Evolving Scholar | ARCH22. TU Delft OPEN DOI:10.24404/62c4ac18e37b1e1aef408269
- Braune, K., Rojas, P., Hofferbert, J., Valera Sosa, A., Lebedev, A., Balzer, F., Thun, S., Lieber, S., Kirchberger, V., & Poncette, A. (2021). Interdisciplinary Online Hackathons as an Approach to Combat the COVID-19 Pandemic: Case Study. Journal of Medical Internet Research, 23(2), e25283. doi.org/10.2196/25283
- Lenzer, B., Drozdek, M., Valera Sosa, A., Matthys, S., Witt, C., & Liebers, U. (2020). Hitzestress im Krankenhaus. Der Klinikarzt. <https://doi.org/10.1055/a-1068-5127>
- Poncette, A., Rojas, P., Hofferbert, J., Valera Sosa, A., Balzer, F., & Braune, K. (2020). Hackathons as Stepping Stones in Health Care Innovation: Case Study With Systematic Recommendations. Journal of Medical Internet Research, 22(3), e17004. doi.org/10.2196/17004
- Valera Sosa, A., (2017). Medical Neighbourhoods: Urban Planning and Design Considerations for Charité Virchow Klinikum. In ARCH 17 Conference Proceedings (pp. 163-186) ISBN 978-87-93585-00-3
- Sosa, A. V., & Nickl-Weller, C. (2016). Understanding walkability and walking rates in Berlin: an urban form and street pattern comparison. Die Psychiatrie. doi.org/10.1055/s-0038-1670123

Press articles and interviews

- Healing Architecture: Die heilende Wirkung von Design | Spiegel
- Städte von Anfang an gesund planen | Qiio Magazin | 18 Jun 2018 — Das bestätigt auch Álvaro Valera Sosa von der Technischen Universität (TU) Berlin.
- Valera Sosa, A., (2014). Healing Architecture Evaluation. In Management & Krankenhaus (pp. 14) GIT Verlag.
- TU Architekturstudenten stellen ihre „Community Designs“ für den Gutsgarten vor
- Because Berlin Success story | Berlin Partner für Wirtschaft und Technologie GmbH

Acknowledgements

- A., Sykiotis, (2023). Towards Deinstitutionalization: Housing for the Intellectually Disabled. Keywords: intellectual disabilities, quality of life, supported living. Fall 2022 Research Plan, TU DELFT.
- Lenzer, B., Hoffmann, C., Hoffmann, P., Müller-Werdan, U., Rupprecht, M., Witt, C., Herzig, C., & Liebers, U. (2021). A Qualitative Study on Concerns, Needs, and Expectations of

Hospital Patients Related to Climate Change: Arguments for a Patient-Centered Adaptation. International Journal of Environmental Research and Public Health, 18(11), 6105.

- Adli, M. (2017). Stress in the City: Warum uns Städte krank machen und wie wir sie lebenswerter gestalten können.
- Capolongo et al. (2017). Open rooms for future health care environments. AIA Academy of Architecture for Health.

Wikipedia

- Health Ecosystem Model (Valera Sosa, 2017)
[https://en.wikipedia.org/wiki/File:Health_Ecosystem_Model_\(Valera_Sosa,_2017\).jpg](https://en.wikipedia.org/wiki/File:Health_Ecosystem_Model_(Valera_Sosa,_2017).jpg)

Lectures

1. UrbanCare – a systems approach for inclusive streets as public space in Curitiba. Federal University of Parana, Brazil, September 2022. Guest lecture.
2. UrbanCare Capacity-building Hub, a partnership to deploy climate and health capability and training modules at higher education institutes, International Conference on Urban Health 2022. Valencia, Spain, 2022.
3. Implementing Urban Health Research in Practice, Knowledge Alliance for E-based Urban Practices. University of Cyprus, December 2, 2021. Panel discussion.
4. Berlin urban experiences during the lockdown. Covid Conversations. Plan Red Chile Online, 2020. Keynote speech.
5. Arquitectura de emergencia frente al COVID19. Conferencia, Cochabamba, Bolivia, 2020. Panel discussion.
6. Battling Urban Heat Islands, Lecture and Discussion. Hörsaal Pathologie, CCM, Virchowweg 14 Charité Mitte, 2019. Keynote speech.
7. HealthMaps, towards sustainable care, Chalmers University. 2019. Guest lecture.
8. Micro Hospitales, Definición y Rol en el Contexto Europeo. AVAIMS encuentro internacional sobre edificaciones medico sanitarias. Venezuela, 2019. Keynote speech.
9. Urban 95 Expert Assembly. Amsterdam, the Netherlands, May 3-4, 2017. Invited talk.
10. Arch17 Conference. Copenhagen, Denmark, April 26-27, 2017. Parallel session.
11. Berlin Case Show – Walkability for Health. Walk21 Hong Kong. October 5, 2016. Sub-plenary session.
12. Medical Neighborhoods, planning and design considerations Event Title: 9th European Public Health (EPH) Conference, Vienna- Austria. November 9th 2016. Keynote speech.
13. Medical Neighborhoods, Planning & Design Considerations. Event: Architecture and Healthcare at the 21st Century. Technion Institute of Technology, Haifa, Israel. September 6 2016. Keynote Speech.
14. Forum Smart Cities, Healthy Cities. Territorialisation of Social and Health Facilities. University of Florence, 2016.
15. Game changing concepts for Healthy Ageing and the built environment. Lost in Translation Pt. 1, Building the future of health, International conference Groningen, 2016. Keynote speech.
16. Walkability for Health Evaluation Method. Chalmers University of Technology. Gothenburg, Sweden, November 2015. Keynote speech
17. Health Promoting Hospitals. Arch 14 Aalto University. Helsinki, Finland, November 2014. Keynote speech.
18. Walkability for Health, A Chronic Disease Prevention Strategy for Cities and People. ICUH International Conference on Urban Health, Manchester, UK March 2014. Keynote speech.