

CURRICULUM VITAE

Hayelom Kebede Mekonen

Born: 20-01-1980 (G.C.)
Place of birth: Chercher, Southern Tigray, Ethiopia

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Education

- **PhD** in Developmental Biology (Embryology), Maastricht University, Department of Anatomy & Embryology, The Netherlands. June 2017
- **M. Sc. in Human Anatomy**, Addis Ababa University, Faculty of Medicine, Department of Anatomy. June 2009
- **B. Sc** from Addis Ababa University, Faculty of Science, Addis Ababa. July 2004
- **Ethiopian School Leaving Certificate Examination (ESLCE)**, Alamata, Tigray, Ethiopia. 1999.

Certificates

- **Certificate** in application of software from Dot net computer technology. Addis Ababa, Ethiopia, June 2004.
- **Certificate** in introduction to computerized data management and epidemiological study design from Armeur Hanson Research Institute (ALERT). Addis Ababa University, Addis Ababa, Ethiopia, June 2007.
- **Certificate** of attendance for attending the 10th international conference of the Society of Neuroscientists of Africa (SONA). Addis Ababa, Ethiopia, February 2011.
- **Certificate** of acknowledgement for being an external examiner in Gross Anatomy, Histology and Embryology for medical students from the Colleges of Health Sciences at **Hawassa University** (April, 2011 and 2012), **Jimma University** (January 2011), and **Gondor University** (February, 2011 and 2012)
- **Certificate** of attendance in teaching methodology for higher education faculties. May 2011, Mekelle, Ethiopia
- **Certificate** of participation in the 8th International Days at the University College of the Katholieke Hogeschool Kempen, Geel, Belgium. February 2012.

- **Certificate** of participation in the 5th Neuroscience Teaching Tools Workshop, September 2012, Durban, South Africa

Areas of research interest

- Developmental Biology/ Embryology and Teratology
- Neural development and its anomalies
- Neuroscience
- Molecular Biology
- Cell Biology

Professional experience

- **November 2020-Present:** Acting chief executive director of Ayder comprehensive specialized hospital College of Health Sciences, Mekelle University
- **May 2018-present:** Chief Academic and research director/dean/, Ayder comprehensive specialized hospital College of health sciences, Mekelle University, **Associate professor of embryology**
- **November, 2017-May 2018:** Head, Public and International relations office, College of Health Sciences/Ayder comprehensive specialized hospital, Mekelle University
- **May 2013-June 2017:** PhD at Maastricht University, Department of Anatomy.
- **December 2010 to 2013:**
Director of the Institute of Biomedical Sciences, at the College of Health Sciences, Mekelle University, Ethiopia.
- **June 2009-2013:** Head, department of Anatomy and Lecturer of Human Anatomy, Histology and Embryology for medical, pharmacy, nursing, public-health and midwifery students at the College of Health Sciences, Mekelle University, Ethiopia.
- **September 2005-2006:** Graduate assistant at the College of Health Sciences, Department of Anatomy, Mekelle University, Ethiopia.
- **August 2004-August 2005:** junior microbiologist in the laboratory of (Addis Pharmaceutical Factory), Adigrat, Ethiopia.

Laboratory skills

- Animal surgery (atrial puncture)
- Histological processing and staining of tissues with routine stains
- Observation, interpretation, and reporting of microscopical tissue pathology in liver and kidney
- 3D Amira reconstruction of histological sections
- 4D Cinema smoothing techniques

Technical skills

- Computer literacy

- Sufficient knowledge of Microsoft office tools
- Trained in efficient techniques of extracting peer reviewed scientific literature from the internet

Languages

- Excellent Tigrigna
- Excellent Amharic
- Excellent English

Publications

1. **H Kebede**, M Afework, E Makonnen, W Ergete, K Urga. Effect of Clerodendrum myricoides Aqueous extract on Blood, Liver and Kidney tissues of mice. Momona Ethiopia J Science 3 (2): 48-63, 2011.
2. **KHayelom**, M Afework, E Makonnen, W Ergete, K Urga. Methanolic effect of Clerodendrum myricoides extract on Blood, Liver and kidney tissues of mice. Afr Health Sci. 2012 Dec; 12(4): 489–497. PMCID: PMC3598291.
3. The growth pattern of the human intestine and its mesentery. Jelly HM Soffers, Jill PJM Hikspoors, **Hayelom K. Mekonen**, S. Eleonore Koehler and Wouter H. Lamers. BMC Developmental Biology 2015;31 DOI: 10.1186/s12861-015-0081-x.
4. Development of the human infrahepatic inferior caval and azygos venous systems. Hikspoors, J.P.; Soffers, J.H.; **Mekonen, H.K.**; Cornillie, P.; Kóhler SE.; Lamers, W.H. J Anat. 2015 Feb;226(2):113-25. doi: 10.1111/joa.12266. Epub 2014 Dec
5. Birth weight by gestational age and congenital malformations in Northern Ethiopia. **Mekonen HK**, Nigatu B, Lamers WH. BMC Pregnancy Childbirth. 2015 Mar 29;15:76. doi: 10.1186/s12884-015-0507-2. PMID: 25886401
6. Development of the ventral body wall in the human embryo. **Mekonen HK**, Hilcspoors JP, Mommen G, Kóhler SE, Lamers WH. J Anat. 2015 Nov;227(5):673-85. doi: 10.1111/joa.12380. PMID: 26467243
7. Infrahepatic inferior caval and azygos vein formation in mammals with different degrees of mesonephric development. Jill P. J. M. Hikspoors,1 **Hayelom K. Mekonen**,1 Greet M. C. Mommen, Pieter Cornillie, S. Eleonore Kohler and Wouter H. Lamers. J Anat. 2016. J. Anat. (2016) 228, pp495--510. doi: 10.1111/joa.12423.
8. Development of the epaxial muscles in the human embryo. **Mekonen HK**, Hikspoors JP, Mommen G, Eleonore Kóhler S, Lamers WH. Clin Anat. 2016

Nov;29(8):1031-1045. doi: 101002/ca.22775. PMID: 27571325

9. Closure of the vertebral canal in man. **Mekonen HK**, Hikspoors JP, Mommen G, Kruepunga N, Köhler SE, Lamers WH. *J Anat.* 2017 August 2017; 231 (2): 260-274. DOI: 10.1111/joa.12638.
10. The fate of the vitelline and umbilical veins during the development of the human liver. Jill P. J. M. Hikspoors, **Hayelom K. Mekonen**, Greet M. C. Mommen, Pieter Cornillie, S. Eleonore Kohler and Wouter H. Lamers. *J Anat.* 2017 Aug 8. doi: 10.1111/joa.
11. Human liver segments: role of cryptic liver lobes and vascular physiology in the development of liver veins and left-right asymmetry. Jill P. J. M. Hikspoors, Mathijs M. J. P. Peeters, Nutmethee Kruepunga, **Hayelom K. Mekonen**, Greet M. C. Mommen, S. Eleonore Köhler & Wouter H. Lamers. *Scientific Reports* 7, Article number: 17109 (2017). doi:10.1038/s41598-017-16840-1.
12. The development of the cloaca in the human embryo. Nutmethee Kruepunga, Jill P.M. Hikspoors, **Hayelom K. Mekonen**, Greet M. C. Mommen, Krai Meemon, Wattana Weerachatanukul, Somluk Asuvapongpatana, S. Eleonore Köhler & Wouter H. Lamers. *J Anat* Doi: 10.1111/joa.12882. 2018
13. Welderufael AL et al. Nutritional status among women whose pregnancy outcome was afflicted with neural tube defects in Tigray region of Ethiopia. *Brain Dev* (2019).
14. Gebeslassie, H., Ekanem, P., Gebrelibanos, M., Assefa, H., Belsty, T., & **Kebele, H.** (2019). BIOCHEMICAL AND PATHOLOGICAL ASSESSMENT OF RICINUS COMMUNIS LEAF EXTRACT ADMINISTRATION ON LIVER AND KIDNEY IN MICE. *International Journal of Medical and Biomedical Studies*, 3(4). <https://doi.org/10.32553/ijmbs.v3i4.192>

In press articles

1. A Silent Epidemic of Gross Congenital Malformations in Tigray, Northern Ethiopia: Hospital-Based Study. *BMC pregnancy & child birth.*
2. Toxicological effect of *Aloe megalacantha* Baker leaves latex among Swiss albino mice, an experimental study. *BMC complementary.*

Conferences and workshop

- Annual conference of Biological Society of Ethiopia, Addis Ababa, Ethiopia
- Ethiopian Public health association, Addis Ababa, Ethiopia
- The 10th international conference of the Society of Neuroscientists of Africa (SONA), Addis Ababa, Ethiopia
- International Brain Research Organisation (IBRO) in partnership with the University of KwaZulu-Natal (UKZN). The 5th Neuroscience Teaching Tools Workshop, Durban, South Africa
- Nederlandse Anatomen Vereniging, Netherland
- Experimental Biology, EB2016 San diego, CA, USA
- Ethiopian anatomical association, Addis Ababa University, Addis Ababa, Ethiopia

Grant/Awards

- Getachew Boledia Foundation/Fana Fellowship AAU, 2003-2004 E.C
- Best poster of 2016 by Nederlandse Anatomen Vereniging
- Small scale research grant from recurrent budget in Ayder and Mekelle hospitals 2012
- Netherlands fellowship program for PhD study 2013
- Medium scale research grant for study in Tigray hospitals 2017

References

- Prof.dr. Wout Lamers, Professor of developmental Biology, Department of Anatomy & Embryology, Maastricht University, The Netherlands.
Email: wh.lamers@maastrichtuniversity.nl
- Prof. dr. Leo Kohler, professor of Anatomy, Head, Department of Anatomy and Embryology, Maastricht University, The Netherlands. Email: leo.koehler@maastrichtuniversity.nl
- Prof. Afework Mulugeta, Professor of Nutrition, Mekelle University, College of Health Sciences, Mekelle, Ethiopia. Email: afework.mulugeta@gmail.com
- Dr Mekbib Afework (Anatomist and Embryologist), Associate Professor, Head, Department of Anatomy, Medical Faculty, Addis Ababa University, Addis Ababa, Ethiopia. Email: mekbebaafework@yahoo.co.uk.