



## Estonian outstanding scientists



12. February 2019

# Karl Ernst von Baer – founder of embryology



# Karl Ernst von Baer (1792-1876)

Baer was a naturalist, biologist, geologist, meteorologist, geographer, and a founding father of **embryology**. In 1827 von Baer became the **first person to observe human ova**.

He was a member of the Russian Academy of Sciences, a co-founder of the Russian Geographical Society, and the first president of the Russian Entomological Society, making him a distinguished Baltic German scientist.



# Endel Tulving - cognitive neuroscientist



[https://www.google.com/imgres?imgurl=http://www.akadeemia.ee/\\_repository/Image/valisliikmed/tulving.jpg&imgrefurl=http://www.akadeemia.ee/et/liikmeskond/\\_valisliikmed/tulving/&h=250&w=200&tbnid=WKshS4ijNRnFWM:&q=endel+tulving&tbnh=186&tbnw=148&usg=AI4\\_-kThqB4p0i1zR24vNPQkl\\_dqDq665w&vet=12ahUKEwilx7PgqbPgAhWypokKHfliDw0Q\\_B0wCnoECAYQBg..i&docid=v78\\_K7yXhmO7YM&itg=1&client=firefox-b-d&sa=X&ved=2ahUKEwilx7PgqbPgAhWypokKHfliDw0Q\\_B0wCnoECAYQBg#h=250&imgdii=jXOHufR35scZeM:&tbnh=186&tbnw=148&vet=12ahUKEwilx7PgqbPgAhWypokKHfliDw0Q\\_B0wCnoECAYQBg..i&w=200](https://www.google.com/imgres?imgurl=http://www.akadeemia.ee/_repository/Image/valisliikmed/tulving.jpg&imgrefurl=http://www.akadeemia.ee/et/liikmeskond/_valisliikmed/tulving/&h=250&w=200&tbnid=WKshS4ijNRnFWM:&q=endel+tulving&tbnh=186&tbnw=148&usg=AI4_-kThqB4p0i1zR24vNPQkl_dqDq665w&vet=12ahUKEwilx7PgqbPgAhWypokKHfliDw0Q_B0wCnoECAYQBg..i&docid=v78_K7yXhmO7YM&itg=1&client=firefox-b-d&sa=X&ved=2ahUKEwilx7PgqbPgAhWypokKHfliDw0Q_B0wCnoECAYQBg#h=250&imgdii=jXOHufR35scZeM:&tbnh=186&tbnw=148&vet=12ahUKEwilx7PgqbPgAhWypokKHfliDw0Q_B0wCnoECAYQBg..i&w=200)

# Endel Tulving (1927)

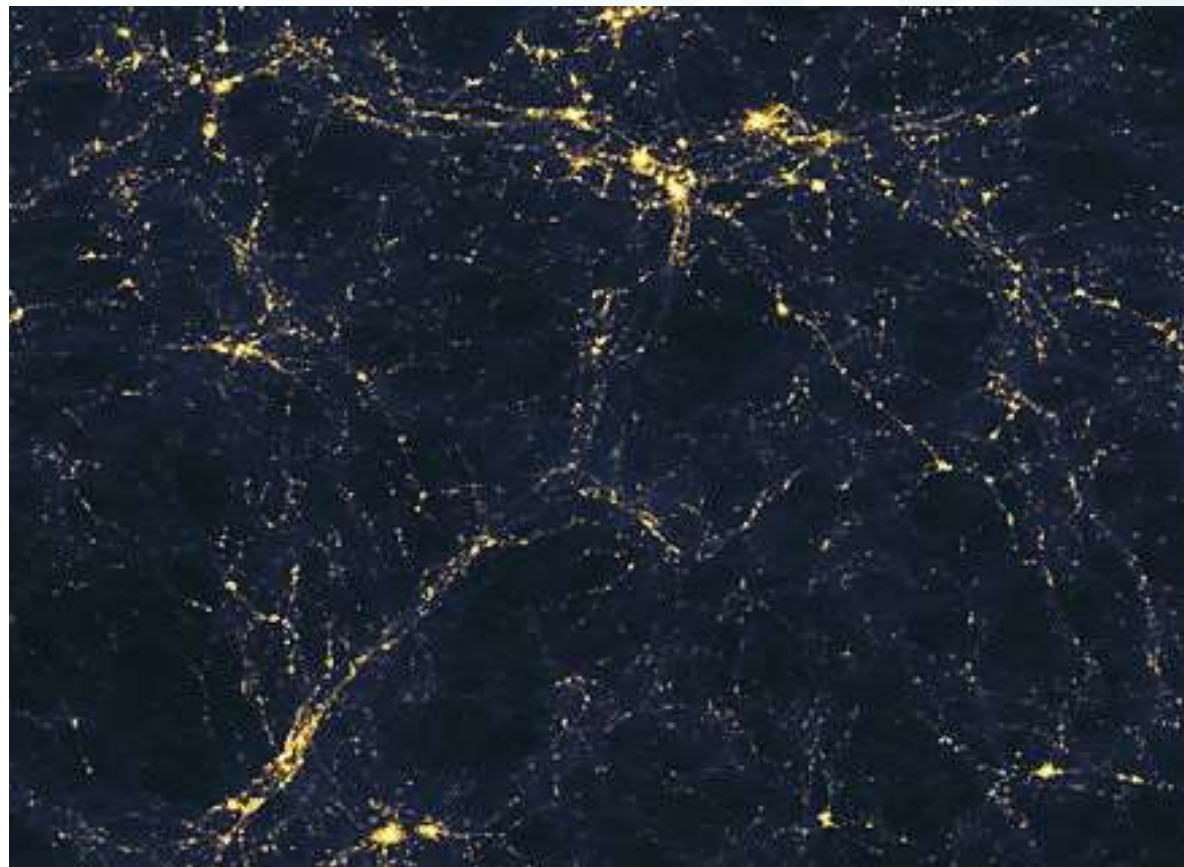
Experimental psychologist and cognitive neuroscientist whose research on human memory has influenced psychological scientists, neuroscientists, and clinicians. He helped **separate declarative memory into** two distinct parts - **episodic and semantic memory**.

Has published at least 200 research articles and chapters, and he is widely cited; in a Review of General Psychology survey (2002), he ranked as the 36th most cited psychologist of the 20th century.

# Jaan Einasto - astrophysicist



By Peter Murdmaa



File:Galactic treasure chest RXC J0142.9+4438.jpg

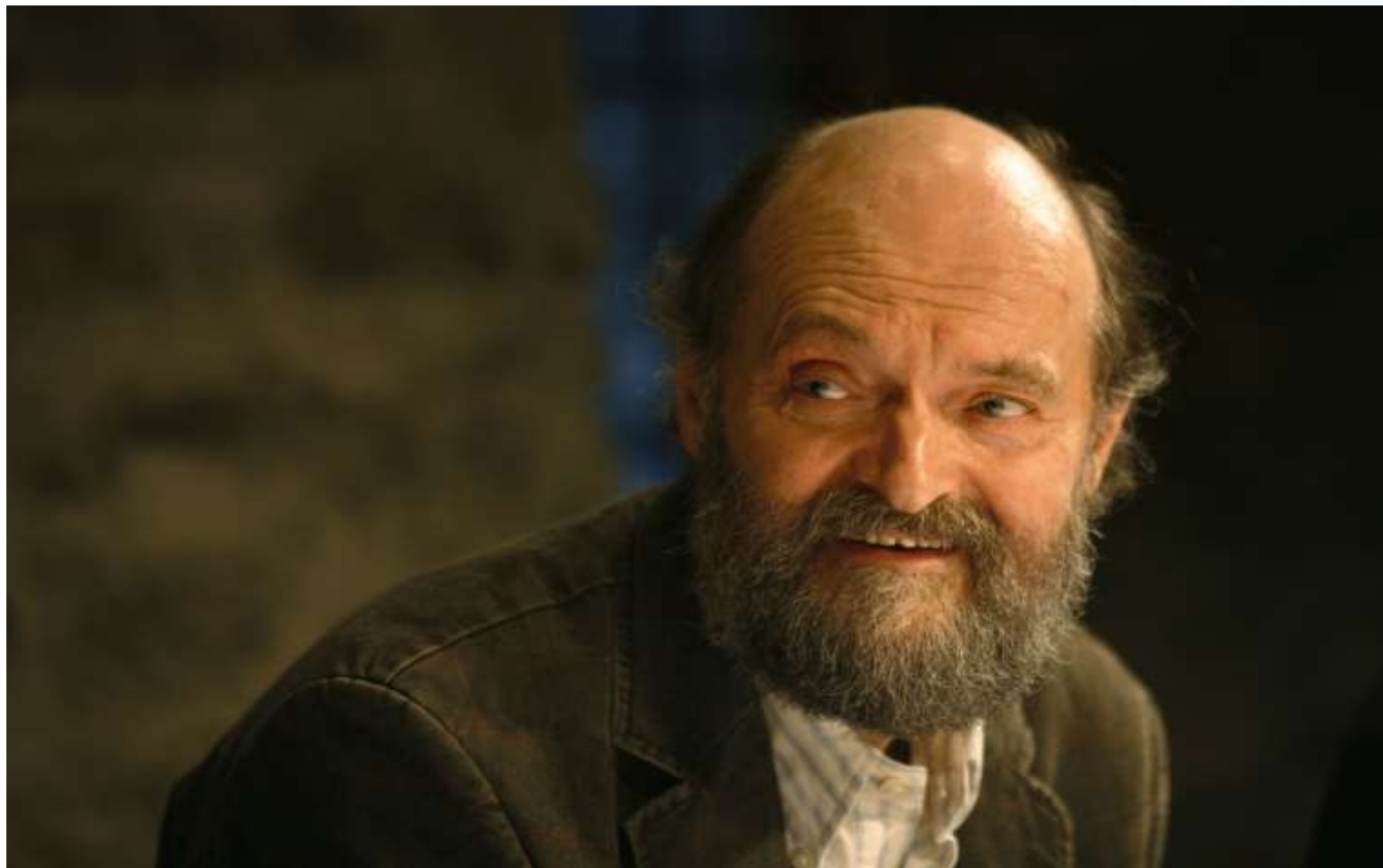


# Jaan Einasto (1929)

Estonian astrophysicist and one of the **discoverers of the large-scale structure of the Universe.**

Professor of Cosmology at the University of Tartu. He was Head of the Division of Astronomy and Physics of the Estonian Academy of Sciences in Tallinn. Einasto is a member of the Academia Europaea, the European Astronomical Society and the Royal Astronomical Society.

# Arvo Pärt - composer



By: Peeter Langovits





# Arvo Pärt (1935)

Since the late 1970s, Pärt has worked in a minimalist style that employs his self-invented compositional technique, **tintinnabuli**. Pärt's music is in part inspired by Gregorian chant. His most performed works include *Fratres* (1977), [Spiegel im Spiegel](#) (1978) and *Für Alina* (1976).

Since 2011 Pärt has been the most performed living composer in the world.

He is a member of Estonian Academy of Sciences.

# Andres Metspalu - geneticist



By Andres Tennus/ Tartu Ülikool - Tartu Ülikool/  
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# Andres Metspalu (1951)

Metspalu's major fields of research **are genomics and genetic engineering**, human genome research methods for large variation in gene banks; genetics and complex diseases, the relationship of genes, environmental factors, lifestyle, and state of health between the molecular and genetic analysis in developing the technology of DNA chip technology.

According to «Highly Cited Researchers report 2018» by Clarivate Analytics Web of Science he is one of the most cited Estonian scientists. Member of the Estonian Academy of Sciences.

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