

Sofia Feltzing  
Lund University

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## Employment

### Professor

Department of Geology  
Lund University  
Lund, Sweden  
2022 Aug 16 → present

### Member of Strategic Research Area

eSSANCE: The e-Science Collaboration  
Lund University  
Lund, Sweden  
2016 Jan 1 → present

### Professor

Department of Earth and Environmental Sciences (MGeo)  
Lund University  
Lund, Sweden  
2025 Dec 3 → present

## Projects

- 4MOST: 4MOST - massive spectroscopic surveys of the Milky Way and the Universe**  
Feltzing, S. (Researcher), Church, R. (Researcher), Hobbs, D. (Researcher), Bensby, T. (Researcher), Ryde, N. (Researcher), Hartman, H. (Researcher), Mcmillan, P. (Researcher), Jönsson, H. (Researcher), Agertz, O. (Researcher), Howes, L. (Researcher), Kushniruk, I. (Researcher), Agertz, O. (Researcher), Traven, G. (Researcher), Feuillet, D. (Researcher), Ernan-des, H. (Researcher), Lehmann, C. (Researcher) & Plotnikova, A. (Researcher)  
2011/01/01 → 2029/12/31  
Project: Research
- Astrobiology: Past, Present, and Future**  
Dunér, D. (PI), Ahrén, D. (Researcher), Dravins, D. (Researcher), Feltzing, S. (Researcher), Holmberg, G. (Researcher), Persson, E. (Researcher), Persson, P. (Researcher) & Vajda, V. (Researcher)  
2010/01/01 → 2011/12/31  
Project: Research
- eSSANCE@LU 3:1 - The eStarSpec collaboration: Using eScience to map the Milky Way**  
Church, R. (PI), Davies, M. B. (Researcher), Feltzing, S. (Researcher), Johansen, A. (Researcher), Piskunov, N. (Researcher), Korn, A. J. (Researcher), Barklem, P. (Researcher), Lind, K. (Researcher) & Kordopatis, G. (Researcher)  
2016/01/01 → 2019/12/01  
Project: Research
- eSSANCE@LU 6:5 - Bayesian spectroscopy: Understanding the Milky Way's history with data-driven spectroscopy**  
Church, R. (PI), Traven, G. (Researcher), Birken, P. (Researcher), Lindström, E. (Researcher), Davies, M. B. (Researcher), Feltzing, S. (Researcher), Korn, A. J. (Researcher) & Lind, K. (Researcher)  
2020/01/01 → 2021/12/31  
Project: Research

5. **Gaia-ESO Survey**  
 Gilmore, G. (PI), Randich, S. (PI), Feltzing, S. (Col), Bensby, T. (Col), Howes, L. (Researcher), Gruyters, P. (Researcher), Ryde, N. (Col), Stonkute, E. (Researcher) & Ruchti, G. (Researcher)  
 2012/12/24 → 2022/07/01  
 Project: Research
6. **Galactic Time Machine**  
 Feltzing, S. (PI), Feuillet, D. (Researcher), Plotnikova, A. (Researcher), Erandes, H. (Researcher), Lehmann, C. (Researcher) & Agertz, O. (Col)  
 Knut and Alice Wallenberg Foundation  
 2021/07/01 → 2026/12/31  
 Project: Research
7. **Galaxy formation and evolution: solving the thick disk conundrum**  
 Feltzing, S. (PI), Yuan, Z. (Research student) & Plotnikova, A. (Researcher)  
 Swedish Research Council  
 2025/01/01 → 2029/12/31  
 Project: Research
8. **GREAT: GREAT**  
 Feltzing, S. (Researcher), Walton, N. (PI), Lindegren, L. (Col), Davies, M. B. (Researcher) & Hobbs, D. (Researcher)  
 2011/01/01 → ...  
 Project: Network
9. **MOSAIC**  
 Feltzing, S. (Researcher) & Erandes, H. (Researcher)  
 2023/01/01 → 2028/12/30  
 Project: Research
10. **Signatures of Life on Earth and in Cosmos - ASG, Pufendorf IAS**  
 Dunér, D. (Project coordinator), Ahrén, D. (Researcher), Cabak Rédei, A. (Researcher), Dravins, D. (Researcher), Feltzing, S. (Researcher), Holmberg, G. (Researcher), Holmer, A. (Researcher), Persson, E. (Researcher), Persson, P. (Researcher) & Vajda, V. (Researcher)  
 2012/08/19 → 2013/08/19  
 Project: Network
11. **Stellar ages for Galactic Archaeology: Methods and Applications**  
 Sahlholdt, C. (PI), Feltzing, S. (Supervisor), Lindegren, L. (Researcher), Feuillet, D. (Assistant supervisor) & Agertz, O. (Assistant supervisor)  
 Swedish Research Council  
 2017/09/04 → 2021/10/01  
 Project: Dissertation
12. **The nature of kinematic structures in the Galactic disc**  
 Kushniruk, I. (Researcher), Bensby, T. (Supervisor) & Feltzing, S. (Assistant supervisor)  
 2016/09/01 → 2020/11/06  
 Project: Dissertation
13. **NMW: The New Milky Way**  
 Feltzing, S. (PI), Bensby, T. (Col), Lindegren, L. (Col), Church, R. (Researcher), Hobbs, D. (Researcher), Ryde, N. (Researcher), Hartman, H. (Researcher), Mcmillan, P. (Researcher), Traven, G. (Researcher), Feuillet, D. (Researcher), Sahlholdt, C. (Researcher), Howes, L. (Researcher) & Stonkute, E. (Researcher)  
 Knut and Alice Wallenberg Foundation  
 2014/07/01 → 2027/06/30  
 Project: Research
14. **SAGA: The Strömgren survey for Asteroseismology and Galactic Archeology**  
 Casagrande, L. (PI), Feltzing, S. (Col), Sahlholdt, C. (Researcher) & Gruyters, P. (Researcher)  
 The Royal Physiographic Society in Lund  
 Project: Research
15. **WEAVE: WEAVE - a massively multiplex spectrograph for the William Herschel Telescope and associated surveys**  
 Feltzing, S. (Researcher), Bensby, T. (Researcher) & Feuillet, D. (Researcher)  
 The Royal Physiographic Society in Lund  
 2010/01/01 → ...  
 Project: Research

## Committees and commissions of trust (selected)

- |             |  |
|-------------|--|
| 2015 - 2017 | Swedish representative on the Science and Technology Committee (STC) for ESO, chair of the committee |
| 2012 - 2014 | Swedish representative on the Science and Technology Committee (STC) for ESO                         |

- 2010 - 2013 Member of the Astronomy Working Group (AWG) at the European Space Agency (ESA). AWG is an advisory body to ESA providing scientific advice for all astronomy missions of ESA whether operational, in development or under study
- 2011 - 2015 Deputy head of Department of Astronomy and Theoretical Physics
- 2012 - 2014 Member of the LUNARC board at Lund University. LUNARC is the center for scientific and technical computing at Lund University.

### **Supervision of PhD students**

- 2017 - 2021 Christian Sahlholdt, PhD 2021
- 2011 - 2015 Cheng Liu, PhD 2015
- 2011 - 2015 Chiara Battistini, PhD 2015
- 2008 - 2011 Daniel Adén, PhD 2011
- 2007 - 2010 Anna Árnadóttir, PhD 2010
- 1999 - 2005 Daniel Faria, PhD 2005
- 1999 - 2004 Thomas Bensby, PhD 2004

### **Prizes and Distinctions**

**Elected member of the Royal Physiographic Society in Lund**  
Feltzing, S. (Recipient), 2014

**Elected member of the Royal Swedish Academy of Science**  
Feltzing, S. (Recipient), 2015

**Strömer-Fermerska belöningen**  
Feltzing, S. (Recipient), 2013

**The Royal Swedish Academy of Science fellowship**  
Feltzing, S. (Recipient), 2004

### **Awards**

**Galaxy formation and evolution: solving the thick disk conundrum**  
Feltzing, S. (PI)  
Swedish Research Council: SEK4,150,000.00  
2025/01/01 → 2029/12/31