

# Curriculum Vitae

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## Personal

**Name** Elinor Medezinski  
**Current address** School of Physics & Astronomy and the Wise Observatory  
Tel-Aviv University  
Tel-Aviv 69978, Israel  
**Nationality** Israeli  
**Languages** Hebrew, English, Spanish  
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**Family status** Single  
**Born** October 13th, 1977, Nahariya, Israel

## Education

**2005-present** **Ph.D.** in Astrophysics,  
Tel-Aviv University, Tel-Aviv  
Subject: **Mass and Light distributions in Clusters of Galaxies**  
Advisors: Dr. Tom Broadhurst & Prof. Yoel Rephaeli  
**2002-2005** **M.Sc.** in Astrophysics,  
Tel-Aviv University, Tel-Aviv  
Subject: **TAVAS project - Tel-Aviv Astronomical Variability Survey**  
Advisor: Prof. Dan Maoz  
**1999-2002** **B.Sc.**, Magna Cum Laude, in Physics,  
Technion - Israel Institute of Technology, Haifa

## Employment

**2008-present** Teaching assistant at Tel-Aviv University,  
Physics Lab Instructor  
**2004-2005** Teaching assistant at Tel-Aviv University,  
Physics Lab Instructor  
**1998** Elcam Medical, Bara'm,  
Quality Assurance and Control at a clean room in a disposable  
medical equipment factory  
**1996-1997** Military service (Team commander of infiltration radar, Rank:  
Sargent).



## Prizes

- 2008 The Ilan Ramon scholarship for academic excellence and community involvement, given by the Commercial & Industrial Club
- 2004 Rachel & Salim Benin Award

## List of Publications

- 1 K. Umetsu, **E. Medezinski**, T. Broadhurst, A. Zitrin, N. Okabe, B.-C. Hsieh, and S. M. Molnar,  
“The Mass Structure of the Galaxy Cluster Cl0024+1654 from a Full Lensing Analysis of Joint Subaru and ACS/NIC3 Observations”, *ApJ submitted*, arXiv0908.0069U, Aug. 2009.
- 3 **E. Medezinski**, T. Broadhurst, K. Umetsu, M. Oguri, and Y. Rephaeli,  
“Detailed Cluster Mass and Light profiles of A1703, A370 & RXJ1347-11 from deep Subaru Imaging”, *MNRAS submitted*, arXiv:0906.4791M, Apr. 2009.
- 4 A. Zitrin, T. Broadhurst, K. Umetsu, D. Coe, N. Benitez, B. Ascaso, L. Bradley, H. Ford, J. Jee, **E. Medezinski**, Y. Rephaeli, and W. Zheng,  
“New Multiply-Lensed Galaxies Identified in ACS/NIC3 Observations of Cl0024+1654, Using an Improved Mass Model”, *MNRAS*, 396:1985–2002, July 2009.
- 5 K. Umetsu, M. Birkinshaw, G.-C. Liu, J.-H. Protty Wu, **E. Medezinski**, T. Broadhurst, D. Lemze, A. Zitrin, P. T. P. Ho, C.-W. Locutus Huang, P. M. Koch, Y.-W. Liao, K.-Y. Lin, S. M. Molnar, H. Nishioka, F.-C. Wang, P. Altamirano, C.-H. Chang, S.-H. Chang, S.-W. Chang, M.-T. Chen, C.-C. Han, Y.-D. Huang, Y.-J. Hwang, H. Jiang, M. Kesteven, D. Y. Kubo, C.-T. Li, P. Martin-Cocher, P. Oshiro, P. Ran, T. Wei, and W. Wilson,  
“Mass and Hot Baryons in Massive Galaxy Clusters from Subaru Weak Lensing and AMiBA SZE Observations”, *ApJ*, 694(2):1643--1663, Apr. 2009.
- 6 T. Broadhurst, K. Umetsu, **E. Medezinski**, M. Oguri, and Y. Rephaeli,  
“Comparison of Cluster Lensing Profiles with  $\Lambda$ CDM Predictions”, *ApJ*, 685:L9--L12, Sept. 2008
- 7 **E. Medezinski**, T. Broadhurst, K. Umetsu, and D. Coe,  
“Using Weak-Lensing Dilution to Measure Light Properties of A1689”, *Modern Physics Letters A*, 23:1521--1528, 2008 (CosPa conference proceedings)

- 8** **E. Medezinski**, T. Broadhurst, K. Umetsu, D. Coe, N. Benitez, H. Ford, Y. Rephaeli, N. Arimoto, and X. Kong,  
“Using Weak-Lensing Dilution to Improve Measurements of the Luminous and Dark Matter in A1689”, *ApJ*, 663:717--733, July 2007