

CONTACT INFORMATION	Excellence Cluster 'Universe' Boltzmannstraße 2 85748 Garching, Germany room 038	phone: +49 89 35831-7129 email: til.birnstiel@lmu.de web: www.til-birnstiel.de
POSITIONS	07/2011 – now 10/2010 – 06/2011	Postdoctoral Researcher at the Excellence Cluster 'Universe', Garching, Germany and at the University Observatory, LMU Munich Postdoc at the Max-Planck-Institute for Astronomy, Heidelberg, Germany
STUDIES	09/2007–10/2010 08/2006 – 08/2007 10/2005 – 07/2006 08/2005 10/2003 – 09/2005	Ph.D. Astronomy University of Heidelberg & Max-Planck-Institute for Astronomy, Germany <i>The Evolution of Gas and Dust in Protoplanetary Accretion Disks</i> Advisor: C.P. Dullemond Grade: 1.0, magna cum laude M.S. Physics State University of New York at Albany, USA <i>Bayesian Estimation of the Diffusion Tensor</i> Advisor: Kevin H. Knuth (scholarship from the international office of the University of Würzburg) GPA 4 of 4 Graduate studies in physics Julius-Maximilians-Universität in Würzburg, Germany Vordiplom in physics Julius-Maximilians-Universität, Würzburg, Germany Undergraduate studies in physics, chemistry and mathematics Julius-Maximilians-Universität in Würzburg, Germany
COMMUNITY SERVICE	09/2002 – 09/2003	Civilian Service within a “Freiwilliges Ökologisches Jahr” (volunteering at the Roland Eller environmental center)
SCHOOLING	08/2002 09/1993 – 08/2002 09/1989 – 08/1993	Abitur (general qualification for university entrance) Hermann-Staudinger-Gymnasium in Erlenbach am Main, Germany Johannes Obernburger Grundschule in Obernburg am Main, Germany
RESEARCH INTERESTS	Dust growth and transport in protoplanetary disks; structure and evolution of protoplanetary disks; planet formation; connection to ALMA and SMA observations (co-I on)	
PUBLICATIONS	<p>T. Birnstiel, H. Klahr, B. Ercolano: <i>A simple model for the evolution of the dust population in protoplanetary disks</i>. A&A, in press</p> <p>F. Windmark, T. Birnstiel, C. Güttler, J. Blum, C. P. Dullemond, Th. Henning: <i>Planetesimal formation by sweep-up: How the bouncing barrier can be beneficial to growth</i>. A&A, in press</p> <p>P. Pinilla, T. Birnstiel, L. Ricci, C.P. Dullemond, A. Uribe, L. Testi, A. Natta: <i>Trapping dust particles in the outer regions of protoplanetary disks</i>. A&A, in press</p> <p>S. M. Andrews, D. J. Wilner, A. M. Hughes, C. Qi, K. A. Rosenfeld, K. I. Öberg, T. Birnstiel, C. Espaillat, L. A. Cieza, J. P. Williams, S. Lin, P. T. P. Ho: <i>The TW Hya Disk at 870 μm: Comparison of CO and Dust Radial Structures</i>. ApJ (2012) vol 744 pp. 162</p> <p>L. Ricci, L. Testi, J. P. Williams, R. K. Mann, and T. Birnstiel: <i>The mm-colors of a young binary disk system in the Orion Nebula Cluster</i>. ApJ Letters (2011) vol. 739 pp. L8</p> <p>A.I. Vasyunin, D.S. Wiebe, T. Birnstiel, S. Zhukovska, T. Henning, and C. P. Dullemond: <i>Impact of Grain Evolution on the Chemical Structure of Protoplanetary Disks</i>. ApJ (2011) vol. 727 pp. 76</p> <p>T. Birnstiel, C. W. Ormel, and C. P. Dullemond: <i>Dust size distributions in coagulation/fragmentation equilibrium: numerical solutions and analytical fits</i>. A&A (2011) vol. 525 pp. 11</p> <p>T. Birnstiel, L. Ricci, F. Trotta, C. P. Dullemond, A. Natta, L. Testi, C. Dominik, T. Henning, C. W. Ormel, and A. Zsom: <i>Testing the theory of grain growth and fragmentation by millimeter observations of protoplanetary disks</i>. A&A Letters (2010) vol. 516 pp. L14</p>	

T. Birnstiel, C. P. Dullemond, and F. Brauer: *Gas- and dust evolution in protoplanetary disks*. A&A (2010) vol. 513 pp. 79

T. Birnstiel, C. P. Dullemond, and F. Brauer: *Dust retention in protoplanetary disks*. A&A Letters (2009) vol. 503 pp. L5

POSTER	10/2008	New Light on Young Stars	Pasadena, USA
CONTRIBUTIONS	03/2009	Planet Formation and Evolution	Tübingen, Germany
	09/2009	Planetesimal Formation	Cambridge, UK
	11/2009	From Circumstellar Disks to Planetary Systems	Garching, Germany
	11/2011	Formation of the first solids in the solar system	Kauai Island, USA
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TALKS	10/2007	MPIA PSF Retreat	Jena, Germany
	10/2008	Joint Theory Seminar	MPIA, Heidelberg, Germany
	08/2008	DFG Group Videoseminar	MPIA, Heidelberg, Germany
	10/2008	MPIA PSF Retreat	Maulbronn, Germany
	06/2009	DAAD Kickoff Meeting	MPIA, Heidelberg, Germany
	07/2009	PSF Seminar	MPIA, Heidelberg, Germany
	05/2010	MPIA Student Workshop	Norden, Germany
	11/2010	RG Lunch Talk	Harvard CfA, Cambridge, USA
	11/2010	JILA Talk	Univ. of Colorado, Boulder, USA
	11/2010	Journal Club Talk	Univ. of Michigan, Ann Arbor, USA
	12/2010	Conference: Planetary Population Synthesis	Ringberg Castle, Germany
	12/2010	ITA Colloquium	University of Heidelberg, Germany
	01/2011	Star & Planet Formation Talk	ESO Headquarters, Garching, Germany
	02/2011	Group Seminar	MPIK, Heidelberg, Germany
	02/2011	Conference: Planet formation and evolution	Univ. of Göttingen, Germany
	02/2011	Lab Seminar	ILTS, Sapporo, Japan
	02/2011	Group Seminar	University of Nagoya, Japan
	02/2011	Group Seminar	University of Kyoto, Japan
	05/2011	USM Colloquium	USM, Munich, Germany
	06/2011	Baroclinic Instability in Disks, invited review	Ringberg Castle, Germany
	11/2011	Seminar	IfA, Univ. of Hawaii, Honolulu, USA
	02/2012	Cluster Colloquium	Universe Cluster, Garching, Germany
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OTHER	Several public outreach talks and guided tours		
ACTIVITIES	Webmaster of the MPIA Planet and Star Formation department (2008-2011)		
	Article in “Sterne und Weltraum” (german popular science magazine)		