Curriculum Vitae:	Anthony A Hyman
Position	Institute Director
Telephone	+49-351-210-1700
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Website	https://hymanlab.org

Education:

1984	University College London	BSc first class Zoology
1988	King's College Cambridge	PhD Molecular Cell Biology

Professional Experience:

1985 - 1987	PhD at the LMB, MRC, Cambridge	Mentor John White.
1988 - 1992	Postdoctoral Research: UCSF, CA	Mentor Tim Mitchison.
1993 - 1997	Group Leader: EMBL, Heidelberg	
1997 -	Director, MPI-CBG Dresden	
2010 - 2013	Managing Director, MPI-CBG	

Trainees

For details see https://hymanlab.org/hyman-lab/people/

Number of postdoctoral fellows trained: 37

Number of students trained: 21

Selected trainees

Pierre Gonczy	Full professor, EPFL Lausanne CH
Karen Oegema	Full professor UCSD, San Diego USA
Arshad Desai	Full professor UCSD, San Diego USA
Michael Glotzer	Full professor UCSD, Chicago, USA
Nurhan Ozlu	Associate Professor, Koç university TR
Carie Cowan,	Director of education, Santa Fe Institute, USA
Laurence Pelletier	Senior investigator, Lunenfeld Institute CA
Cliff Brangwynne	Full Professor Princeton University, USA
Simone Reber	Group Leader, Humboldt university, Berlin DE
Kate Lee	Assistant Professor, University of Toronto CA
Emma Filippidi	Assistant Professor, University of Crete GR

Honors and Awards:

2000	EMBO member
2002	Honorary Professor TUD Dresden
2003	EMBO Gold Medal
2007	Norman Heatley Lecture, Sir William Dunn School, UK
2007	Elected fellow of the Royal Society
2011	Gottfried Wilhelm Leibniz Prize
2017	German National Academy of Sciences, Schleiden Medal
2017	Lifetime Fellow of the American Society for Cell Biology
2019	Carl Zeiss Lecture for outstanding achievements in cell biology
2020	Wiley prize for Biomedical research
2020	Elected international member National Academy of Sciences
2020	ASCB Keith Porter lecture
2021	Nakasone award, HFSP

Selected Professional Service and Advisory Boards:

2007 - 2016	Chair, SAB Institute of (IMBA), Vienna, Austria
2014 - 2020	Chair , SAB of the NNF Center for Protein Research, Denmark.
2014 - 2017	Council Member, American Society of Cell Biology (ASCB)
2014 - 2020	Scientific Advisory Council, EMBL Heidelberg.
2013 -	Member, Academic Research Council, Singapore
2017 - 2020	Chair, Welcome Trust Strategy committee.

Selected meetings organized

2012	Program Chair, American Society of Cell Biology, Annual Meeting
2013	Co-chair. Annual meeting, European Molecular biology organization
2018	Organizer, Inaugural Keystone Symposium, Biomolecular Condensates
2018	Co-Organizer. Solvay conference on physics
2019	Organizer, inaugural EMBO practical course on phase separation

Other activities

2005- Chair, board of governors, Dresden International School

2017-2020 **Advisory board**, Dresden city council, city of culture application

Selected invited lectures and Plenary talks (since 2015):

2015	Keynote lecture:	Phase Transition Meeting, Princeton University, USA
2015	Invited lecture:	"Publish and Perish?" Seminar, Royal Swedish Academy of Sciences,
2015	Plenary Talk:	ASCB Meeting 2015, San Diego, USA
2016	Keynote lecture:	Mesoscopic Biology Colloquium, Paris Sciences et Lettres
2016	Keynote lecture:	PhD Symposium, Biozentrum of the Univeristy of Basel
2016	Szent-Györgyi talk:	Woods Hole Marine Biological Laboratory,
2016	Plenary lecture:	Joint Meeting of the Society for Developmental Biology
2016	EMBO Keynote:	Young Investigators Meeting, Goa, India
2017	Keynote lecture:	University Medical Centre, Geneva,
2017	D. Thomas Lecture:	CRC Symposium, St. Jude's. Memphis, USA
2017	Career lecture:	Centrosome and Spindle Pole Body Conference, Heidelberg
2017	Distinguished Lectur	e CRUK, Cambridge Institute, UK
2018	Keynote lecture:	The British Society for Cell Biology 2018 meeting
2018	Keynote lecture:	Mechanisms Driven by Liquid Phase Separation, Heidelberg,
2018	Landmark lecture:	Microtubules: From Atoms to Complex Systems, Heidelberg,
2018	Friday lecture:	Rockefeller University New York
2018	Keynote Lecture:	IMBA/IMP Recess, Vienna
2018	Keynote Lecture:	Frontiers in Biology Seminar Series, Rennes
2018	Keynote Lecture:	2018 Max Planck Epigenetics Meeting, Freiburg
2019	Invited lecture:	Chan-Zuckerberg Bio hub, San Francisco
2019	Colloquium Lecture:	Weizmann institute of science, Rehovot
2019	Chiron Lectures:	University of California. Berkeley
2019	Special lecture	Annual meeting, society of neuroscience, Chicago
2020	Keith Porter lecture	2020 American Society of Cell Biology meeting

Selected recent publications

A full list of publications can be found in google scholar under: Hyman, AA

1) Brangwynne, CP; Eckmann, CR; Courson, DS; Julicher F and Hyman, AA, (2009). Germline P Granules Are Liquid Droplets That Localize by Controlled Dissolution/Condensation. **Science** 324(5935); 1729-1732

- 2) Brangwynne, CP; Mitchison, TJ; Hyman, AA (2011). Active liquid-like behavior of nucleoli determines their size and shape in Xenopus laevis oocytes. **PNAS**: 108(11): 4334-4339
- 3) Hyman AA, Weber CA, Jülicher F. (2014). Liquid-liquid phase separation in biology. **Annu Rev Cell Dev Biol**: 30:39-58.
- 4) Woodruff JB, Wueseke O, Viscardi V, Mahamid J, Ochoa SD, Bunkenborg J, Widlund PO, Pozniakovsky A, Zanin E, Bahmanyar S, Zinke A, Hong SH, Decker M, Baumeister W, Andersen JS, Oegema K, Hyman AA. (2015). Centrosomes. Regulated assembly of a supramolecular centrosome scaffold in vitro. **Science**: 348(6236):808-12.
- 5) Patel A, Lee HO, Maharana S, Jawerth L, Jahnel M, Saha S, Pozniakovski A, Poser I, Stoynow S, Myers E, Drechsel D, Grill S, Hyman AA* and Alberti S*. (2015). A liquid to solid phase transition of the ALS protein FUS accelerated by disease mutation. **Cell**: 162(5):1066-77.
- 6) Saha S, Weber CA, Nousch M, Adame-Arana O, Hoege C, Hein MY, Osborne-Nishimura E, Mahamid J, Jahnel M, Jawerth L, Pozniakovski A, Eckmann CR, Jülicher F, Hyman AA. Polar Positioning of Phase-Separated Liquid Compartments in Cells Regulated by an mRNA Competition Mechanism. **Cell**. 2016 Sep 8;166(6):1572-1584.e16.
- 7) Woodruff JB, Ferreira Gomes B, Widlund PO, Mahamid J, Honigmann A, Hyman AA. The centrosome is a selective condensate that nucleates microtubules by concentrating tubulin. **Cell**. 2017 Jun 1;169(6):1066-1077.e10.
- 8) Hernández-Vega A, Braun M, Scharrel L, Jahnel M, Wegmann S, Hyman BT, Alberti S, Diez S, Hyman AA. Local nucleation of microtubule bundles through tubulin concentration into a condensed tau phase. **Cell Rep**. 2017 Sep 5;20(10):2304-2312.
- 9) Patel A, Malinovska L, Saha S, Wang J, Alberti S, Krishnan Y, Hyman AA. ATP as a biological hydrotrope. **Science**. 2017 May 19;356(6339):753-756.
- 10) Banani SF, Lee HO, Hyman AA*, Rosen MK* (2017). Biomolecular condensates: organizers of cellular biochemistry. **Nat Rev Mol Cell Biol**. Feb 22.
- 11) Titus Franzmann, Marcus Jahnel, Andrei I. Pozniakovsky, Julia Mahamid, Alex S Holehouse, Elisabeth Nüske, Doris Richter, Wolfgang Baumeister, Stephan W. Grill, Rohit V Pappu, Anthony A. Hyman*, Simon Alberti* (2018) Phase separation of a yeast prion protein promotes cellular fitness. **Science** 359(6371) Art. No. eaao5654
- 12) Wang J, Choi, J-M, Holehouse AS, Lee, HO, Zhang X, Jahnel, M, Maharana, S. Lemaitre, R Pozniakovsky A, Drechsel D, Poser I, Pappu RV, Alberti, S^{*} Hyman AA *(2019). A molecular grammar governing the driving forces for phase separation of prion-like RNA binding proteins. **Cell**, 174(3):688-69.
- 13) Klosin A, Oltsch F, Harmon T, Honigmann A, Jülicher F, Hyman AA*, Zechner C*. (2020) Phase separation provides a mechanism to reduce noise in cells. **Science**. 2020 Jan 24;367(6476):464-468