

# Phase Separation by Low Complexity Domains Promotes Pathological Fibrillization

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Liquids, Fibers, and Gels: The Many Phases of Neurodegeneration. <i>Developmental Cell</i> , 2015, 35, 531-532.	3.1	47
2	RNA Controls PolyQ Protein Phase Transitions. <i>Molecular Cell</i> , 2015, 60, 220-230.	4.5	605
3	Protein droplets in the spotlight. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 639-639.	16.1	8
4	Formation and Maturation of Phase-Separated Liquid Droplets by RNA-Binding Proteins. <i>Molecular Cell</i> , 2015, 60, 208-219.	4.5	1,298
5	Polymer physics of intracellular phase transitions. <i>Nature Physics</i> , 2015, 11, 899-904.	6.5	1,145
6	The LC Domain of hnRNP A2 Adopts Similar Conformations in Hydrogel Polymers, Liquid-like Droplets, and Nuclei. <i>Cell</i> , 2015, 163, 829-839.	13.5	262
7	It's Raining Liquids: RNA Tunes Viscoelasticity and Dynamics of Membraneless Organelles. <i>Molecular Cell</i> , 2015, 60, 189-192.	4.5	121
8	Distinct stages in stress granule assembly and disassembly. <i>ELife</i> , 2016, 5, .	2.8	593
9	Rabies Virus Infection Induces the Formation of Stress Granules Closely Connected to the Viral Factories. <i>PLoS Pathogens</i> , 2016, 12, e1005942.	2.1	87
10	A continuum of mRNP complexes in embryonic microRNA-mediated silencing. <i>Nucleic Acids Research</i> , 2017, 45, gkw872.	6.5	20
11	Compositional Control of Phase-Separated Cellular Bodies. <i>Cell</i> , 2016, 166, 651-663.	13.5	945
12	Sequence Determinants of Intracellular Phase Separation by Complex Coacervation of a Disordered Protein. <i>Molecular Cell</i> , 2016, 63, 72-85.	4.5	622
13	The Sam68 nuclear body is composed of two RNase-sensitive substructures joined by the adaptor HNRNPL. <i>Journal of Cell Biology</i> , 2016, 214, 45-59.	2.3	57
14	Internalized Tau sensitizes cells to stress by promoting formation and stability of stress granules. <i>Scientific Reports</i> , 2016, 6, 30498.	1.6	62
15	Mineralization and non-ideality: on nature's foundry. <i>Biophysical Reviews</i> , 2016, 8, 309-329.	1.5	16
16	Higher-order oligomerization promotes localization of SPOP to liquid nuclear speckles. <i>EMBO Journal</i> , 2016, 35, 1254-1275.	3.5	172
17	Dynamics of the formation of a hydrogel by a pathogenic amyloid peptide: islet amyloid polypeptide. <i>Scientific Reports</i> , 2016, 6, 32124.	1.6	29
18	Cancer-associated DDX3X mutations drive stress granule assembly and impair global translation. <i>Scientific Reports</i> , 2016, 6, 25996.	1.6	121

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19	Amyotrophic lateral sclerosis: recent genetic highlights. <i>Current Opinion in Neurology</i> , 2016, 29, 557-564.	1.8	37
20	Mechanisms of FUS mutations in familial amyotrophic lateral sclerosis. <i>Brain Research</i> , 2016, 1647, 65-78.	1.1	124
21	The Multiple Faces of Disordered Nucleoporins. <i>Journal of Molecular Biology</i> , 2016, 428, 2011-2024.	2.0	82
22	Membraneless organelles can melt nucleic acid duplexes and act as biomolecular filters. <i>Nature Chemistry</i> , 2016, 8, 569-575.	6.6	278
23	Stress granules at the intersection of autophagy and ALS. <i>Brain Research</i> , 2016, 1649, 189-200.	1.1	93
24	Coexisting Liquid Phases Underlie Nucleolar Subcompartments. <i>Cell</i> , 2016, 165, 1686-1697.	13.5	1,463
25	The Structure and Dynamics of Higher-Order Assemblies: Amyloids, Signalosomes, and Granules. <i>Cell</i> , 2016, 165, 1055-1066.	13.5	311
26	Mechanisms and Consequences of Macromolecular Phase Separation. <i>Cell</i> , 2016, 165, 1067-1079.	13.5	272
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32	Droplet organelles?. <i>EMBO Journal</i> , 2016, 35, 1603-1612.	3.5	272
33	To Swap or Not To Swap. <i>Structure</i> , 2016, 24, 1436-1438.	1.6	0
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35	Arginine Demethylation of G3BP1 Promotes Stress Granule Assembly. <i>Journal of Biological Chemistry</i> , 2016, 291, 22671-22685.	1.6	145
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44	Dysregulated axonal <i>scp</i> RNA translation in amyotrophic lateral sclerosis. <i>Wiley Interdisciplinary Reviews RNA</i> , 2016, 7, 589-603.	3.2	23
45	Altered mRNP granule dynamics in FTLD pathogenesis. <i>Journal of Neurochemistry</i> , 2016, 138, 112-133.	2.1	63
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54	Are aberrant phase transitions a driver of cellular aging?. <i>BioEssays</i> , 2016, 38, 959-968.	1.2	234

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93	Shining a Light on Phase Separation in the Cell. Cell, 2017, 168, 11-13.	13.5	42
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163	Cross-Î² Polymerization of Low Complexity Sequence Domains. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a023598.	2.3	51

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1038	Salt dependent phase behavior of intrinsically disordered proteins from a coarse-grained model with explicit water and ions. <i>Journal of Chemical Physics</i> , 2021, 155, 125103.	1.2	29



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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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1313	Programmable viscoelasticity in protein-RNA condensates with disordered sticker-spacer polypeptides. <i>Nature Communications</i> , 2021, 12, 6620.	5.8	95
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