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**Peer reviewed publications**

1. Pan D\*, Walstein K, Take A, Bier D, Kaiser N & **Musacchio A\*** (2019) Mechanism of centromere recruitment of the CENP-A chaperone HJURP and its implications for centromere licensing, *Nature Commun* 10:4046. doi: 10.1038/s41467-019-12019-6 (\*co-corresponding authors).
2. Alex A, Piano V, Polley S, Stuiver M, Voss S, Ciossani G, Overlack K, Voss B, Wohlgemuth S, Petrovic A, Wu Y, Selenko P, **Musacchio A\*** & Maffini S\* (2019) Electroporated recombinant proteins as tools for in vivo functional complementation, imaging and chemical biology. *Elife*, e48287. doi: 10.7554/eLife.48287 (\*co-corresponding authors).
3. Weith M, Seiler J, van den Boom J, Kracht M, Hülsmann J, Primorac I, Del Pino Garcia J, Kaschani F, Kaiser M, **Musacchio A**, Bollen M & Meyer H (2018) Ubiquitin-Independent Disassembly by a p97 AAA-ATPase Complex Drives PP1 Holoenzyme Formation. *Mol Cell* pii: S1097-2765(18)30791-3. doi: 10.1016/j.molcel.2018.09.020.
4. Pesenti ME, Prumbaum D, Auckland P, Smith CM, Faesen AC, Petrovic A, Erent M, Maffini S, Pentakota S, Weir JR, Lin YC, Raunser S, McAinsh AD & **Musacchio A** (2018) Reconstitution of a 26-Subunit Human Kinetochore Reveals Cooperative Microtubule Binding by CENP-OPQUR and NDC80. *Mol Cell*. **71**:923-939. doi: 10.1016/j.molcel.2018.07.038.
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8. Volkov VA, Huis In 't Veld PJ, Dogterom\* M & **Musacchio A\*** (2018) Multivalency of NDC80 in the outer kinetochore is essential to track shortening microtubules and generate forces. *Elife*, e36764. doi: 10.7554/eLife.36764. (\*co-corresponding authors)
9. Pentakota S, Zhou K, Smith C, Maffini S, Petrovic A, Morgan GP, Weir JR, Vetter IR, **Musacchio A\*** & Luger K\* (2017) Decoding the centromeric nucleosome through CENP-N. *Elife*, e33442. doi: 10.7554/eLife.33442 (\*co-corresponding authors).
10. Overlack K, Bange T, Weissmann F, Faesen AC, Maffini S, Primorac I, Müller F, Peters JM & **Musacchio A** (2017) BubR1 Promotes Bub3-Dependent APC/C Inhibition during Spindle Assembly Checkpoint Signaling. *Curr Biol*. **7**:2915-2927. doi: 10.1016/j.cub.2017.08.033.
11. Vader G & **Musacchio A** (2017) The greatest kinetochore show on earth. *EMBO Rep*. **18**, 1473-1475. doi: 10.15252/embr.201744541.

12. Mosalaganti S, Keller J, Altenfeld A, Winzker M, Rombaut P, Saur M, Petrovic A, Wehenkel A, Wohlgemuth S, Müller F, Maffini S, Bange T, Herzog F, Waldmann H, Raunser S\* & **Musacchio A\*** (2017) Structure of the RZZ complex and molecular basis of its interaction with Spindly. *J Cell Biol.* **216**:961-981. doi: 10.1083/jcb.201611060 (\*co-corresponding authors).
13. **Musacchio A** & Desai A (2017) A Molecular View of Kinetochore Assembly and Function. *Biology (Basel)*. **6**. pii: E5. doi: 10.3390/biology6010005
14. Faesen AC, Thanasoula M, Maffini S, Breit C, Müller F, van Gerwen S, Bange T & **Musacchio A** (2017) Basis of catalytic assembly of the mitotic checkpoint complex. *Nature* **542**:498-502. doi: 10.1038/nature21384.
15. Pan D, Klare K, Petrovic A, Take A, Walstein K, Singh P, Rondelet A, Bird AW & **Musacchio A** (2017) CDK-regulated dimerization of M18BP1 on a Mis18 hexamer is necessary for CENP-A loading. *Elife* **6**. pii: e23352. doi: 10.7554/eLife.23352.
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  28. **Musacchio A** (2015) Closing the Mad2 cycle. *Elife* 4. doi: 10.7554/eLife.08283.
  29. Altenfeld A, Wohlgemuth S, Wehenkel A, Vetter IR & **Musacchio A** (2015) Complex assembly, crystallization and preliminary X-ray crystallographic analysis of the human Rod-Zwilch-ZW10 (RZZ) complex. *Acta Crystallogr F Struct Biol Commun*. 71:438-42. doi: 10.1107/S2053230X15004343
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