

# **A coagulation-fragmentation-death model for silicosis**

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We introduce a coagulation-fragmentation-death system of ordinary differential equations modelling silicosis. Recent work on existence, uniqueness, and basic properties of solutions will be reported. The structure of the set of equilibria for certain classes of coefficients relevant in applications will be presented, and a preliminary study of the stability properties of the equilibria will be addressed.

**Submission for a contributed session**