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**Gilles Gnacadja\*** ([gilles.gnacadja@gmail.com](mailto:gilles.gnacadja@gmail.com)), Amgen, 1120 Veterans Boulevard, Mail Stop ASF3-3, South San Francisco, CA 94080. *Reaction Networks, Species Composition, and Reversibility.*

In several prior presentations, I have alluded in a hand-wavy way to notions of species composition and reversibility I developed and applied to results on uniqueness of equilibria and persistence. In this presentation I will focus on explaining and making relevant these notions. (Received August 11, 2015)