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**Yuji Kodama\*** ([kodama.1@osu.edu](mailto:kodama.1@osu.edu)), Department of Mathematics, The Ohio State University, 231 West 18th Ave, Columbus, OH 43210. *Confluence of generalized hypergeometric functions and integrable hydrodynamic type equations*. Preliminary report.

We start with a brief introduction of the Gelfand hypergeometric (GHG) functions and their confluences by means of the action of the centralizers of regular elements. The confluence then implies that the GHG functions are now defined in a degenerate cell of the Grassmannian. We construct integrable hydrodynamic type systems defined on such cells. This is a joint work with Boris Konopelchenko. (Received September 20, 2015)