# IFPRI BRIEF TEMPLATE

**Check One:** ☐**Project** ☐**Review** ☐**Collaboration** ☒**Workshop** ☐**Other**

| | |
|---|---|
| **Descriptive Title** | Systems Engineering Tableting Workshop |
| **Working Title**[1] | SE Tableting |
| **Technical Area**[2] | Systems Engineering |
| **Date** | June 25, 2019 |
| **Short Description** | The Tableting Workshop is designed as an interactive event aimed at describing the pre-competitive scope of Systems Engineering that is relevant and required to advance both academic research and industrial practice of powder compaction and tableting. A sequence of three sessions will address the objectives below… |
| **Objectives** | • Systems framework for product design of tablets.<br>• Systems approach to process design having integrated unit operations, focus on process efficiency and control;<br>• Critical needs for modeling and measurement technologies, hard and soft-system approaches. |
| **Scope** | Each session will start with a concise problem statement featuring an industrial and academic viewpoint, followed by discussion in smaller breakout groups (~6-10 people / group), then reconvening as a full group with topline sharing from the breakouts. A final session will synthesize the input of the above and develop an outline and work path for publication of the outcomes. |

| **Recommended Contractors (2 or 3)** | | |
|---|---|---|
| **Name** | **Institution** | **Email Address** |
| Alberto Cuitino | Rutgers University | Alberto.cuitino@rutgers.edu |
| Fernando Muzzio | Rutgers University | Muzzio@rutgers.edu |
| Fred A. Rowley | Dorado International | 800 272 8191 |

| **Submitted By:** | |
|---|---|
| **Name** | **Organization** |
| Ninna Halberg Jokil <nih@topsoe.com> | Haldor Topsoe |
| Jeremy Lechman <jblechm@sandia.gov> | Sandia National Laboratories |
| Paul Mort <pmort@purdue.edu> | University of Purdue |
| Willie Hendrickson <whendrickson@aveka.com> | Aveka |
| Pongpumin Bunchatheeravate <pongpumin_bunchatheeravate@vrtx.com> | Vertex Pharmaceutical |

[1] Title used in meeting agendas and file archives

[2] One or more from the following list: W = wet systems; D = dry systems; F = particle formation; SR = size reduction; M = modeling; SE = systems engineering