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National Bureau of Economic Research
Productivity, Innovation and Entrepreneurship Program

Subject: Application for NBER Post-Doctoral Fellowship

Dear Members of the Selection Committee,

Please find attached my application material for the NBER Post-Doctoral Fellowship in Digitization, Entrepreneurship, and Innovation Policy. I am applying for the **Innovation Policy** area.

For this fellowship project, I plan to study firms' decisions to opt out of disclosure of their intellectual property. Building on work by Stuart Graham and Deepak Hegde, who study eligible patent applicants' decisions to opt out of automatic publication of their applications, I intend to shed light on the firms' motivations. I first argue that applicants of patents covering process innovation are more eager to keep their applications non-disclosed. Then, employing the methodology that I have developed with W. K. Robinson (Southern Methodist University), I will categorize patent applications as describing either process or product innovation. Finally, combining this information with the application-level data in Graham-Hegde on non-disclosure decisions, I will be able to empirically test the theoretical arguments that suggest that the value of non-disclosure for process innovation is higher than for product innovation.

This project follows earlier work with E. Tarantino (University of Mannheim), in which we study a firm's incentives to disclose information in a model of collaborative innovation (e.g., in standard setting organizations). It is also related to ongoing work with E. Tarantino, T. Simcoe (Boston University), and C. Catalini (MIT Sloan). We use data from the *Internet Engineering Task Force* to study how disclosure of intellectual property affects dynamics and outcome of a standard setting process. The proposed project therefore falls into a broader research agenda of mine on disclosure of IPR in general and, more specifically, in the context of standard setting.

I am currently holding a tenure-track position at the University of Texas at Dallas, Naveen Jindal School of Management. For family reasons, I intend to relocate to the Northeast within the next couple of years. The fellowship at the NBER would be the first step toward that goal.

I will attend the ASSA meetings in San Francisco in January. If you have any questions, please do not hesitate to contact me at any time. I can be reached at 617-651-0756 or ganglmair@utdallas.edu.

Sincerely,

A handwritten signature in black ink, appearing to read 'B. Ganglmair', with a long horizontal flourish extending to the right.

Bernhard Ganglmair

Attached: CV, project description