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Nota di contenuto	""Front Matter""; ""The National Academies Keck Futures Initiative""; ""Preface""; ""Contents""; ""Conference Summary""; ""IDR Team Summary 1: What new foundational technologies and tools are required to make biology easier to engineer?""; ""IDR Team Summary 2: What are the significant differences, if any, between risk assessment capacity and religious analyses of the moral permissibility for synthetic biology applications and other biotechnology applications?"" ""IDR Team Summary 3: Reconstructing gene circuitry: How can synthetic biology lead us to an understanding of the principles underlying natural genetic circuits and to the discovery of new biology?"" ""IDR Team Summary 4: Designing communities of cells: how do we create communication and collaboration between cells to allow for specialization and division of labor?""; ""IDR Team Summary 5: Why are human-designed biological circuits and devices fragile and inaccurate relative to their natural counterparts?"" ""IDR Team Summary 6: How can genomics be leveraged to develop coherent approaches for rapidly exploring the biochemical diversity in

and engineering of non-model organisms?""IDR Team Summary 7: How do we move beyond genetics to engage chemical and physical approaches to synthetic biology?""; ""IDR Team Summary 8: What is the role of evolution and evolvability in synthetic biology?""; ""IDR Team Summary 9: How do we maximally capitalize on the promise of synthetic biology?""; ""Appendixes""; ""List of Synthetic Biology Podcast Tutorials""; ""Agenda""; ""Participants""
