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pp. 591–682**Cover Story**

The keynote review in this issue of *Drug Discovery Today*, by Margherita Strolin Benedetti, Rhys Whomsley and Michael Canning, is concerned with the differences in drug metabolism between children and the adult and elderly populations. Significant differences have been found with respect to both phase I and phase II enzymes in the paediatric population compared with adults. The greatest difference exists between adults and newborns. The ability to determine differences in metabolism, and to prescribe accordingly, in these groups is of particular importance for the most efficient utilization of pharmaceuticals.

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