Plant Physiology®

March 2014 • Vol. 164 • No. 3

The electronic form of this issue, available as of March 6, 2014, at www.plantphysiol.org, is considered the journal of record.

On the Cover: The labdane diterpene forskolin has long been recognized for its pharmaceutical properties. Most important, forskolin increases intracellular cAMP levels which then assist in the relaxation of human blood and respiratory vessels. In nature, forskolin is produced in the roots of the plant *Coleus forskohlii*, but until now the precise site of forskolin biosynthesis and accumulation has remained unknown. In this issue, Pateraki et al. (pp. 1222–1236) show that forskolin accumulates in specialized cells harboring intracellular oil body structures within the root cork. Chemical analysis of these root oil bodies revealed that they have the capacity to store an array of terpenoids, including forskolin and its biosynthetic precursor, manoyl oxide. Pateraki et al. identified and characterized two diterpene synthases: enzymes responsible for the synthesis of manoyl oxide, and the first steps of forskolin biosynthesis. Expression of these enzymes was highest in the root cork. These findings provide an important insight into the nature of forskolin biosynthesis and will assist in future discoveries of the remaining biosynthetic components, thus potentially leading to sustainable forskolin production through biotechnological applications. The cover shows a cross section of *Coleus forskohlii* root with thick fissured cork. Cover image credits: Irini Pateraki and Helle Juel Martens.

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CELL BIOLOGY

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MEMBRANES, TRANSPORT, AND BIOENERGETICS

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SIGNALING AND RESPONSE

CORRECTIONS

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