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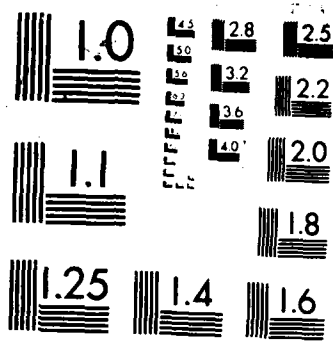
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1983 GORDON RESEARCH CONFERENCES DRUG METABOLISM

FINAL REPORT

David W. Yesair, Chairperson  
Alexander M. Cruickshank, Director GRC

July 1984

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Fort Detrick, Frederick, Maryland 21701-5012

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The 1983 Drug Metabolism Conference focused on the less well-known <del>and unusual</del> aspects of drug metabolism. The lymphatics and lymph were evaluated for their contribution to the long-term pharmacokinetics of xenobiotics. The lung having the propensity to metabolize xenobiotics differently than liver was shown to play an important role in the elimination of drugs and organic halogen compounds. The unusual metabolite was demonstrated using novel metabolic pathways, and the metabolism of natural product antineoplastic drugs and some agricultural chemicals. The keynote speaker: Nobel Laureate Sune Bergitrom presented an overview of the prostaglandin.		

SUMMARY: 1983 DRUG METABOLISM, GORDON RESEARCH CONFERENCE  
DAMD17-83-G-9538 -- Held at Holderness School, Plymouth, New  
Hampshire from July 24-29, 1984

The Gordon Research Conference on Drug Metabolism has promoted an extensive interaction among scientists from different research disciplines towards understanding the role that metabolism of drugs and xenobiotics may have in eliciting their therapeutics and toxicological properties. The 1983 conference focused on the less well-known and unusual aspects of drug metabolisms. The lymphatics and lymph were evaluated for their contribution to the long-term pharmacokinetics of xenobiotics. The lung having the propensity to metabolize xenobiotics differently than the liver was shown to play an important role in the elimination of drugs and organic halogen compounds. The unusual metabolite was characterized using novel metabolic pathways and defining the metabolism of natural product, antineoplastic drugs and agricultural chemicals. The keynote speaker, Nobel Laureate Sune Bergstrom presented an overview of the prostaglandins, which was an excellent introduction to the final session on arachidonate-dependent drug co-oxygenation reactions.

The chairman accepted 130 participants, which included 33 speakers. Industry was represented by 60 participants, academia and government had 49 representatives and the foreign participant was considerably greater than in the past years with 21. We invited 4 PhD and 3 Postdoctoral candidates with the hopes of encouraging their interest and future participation in drug metabolism.

Based upon the extensive and quality discussions after each speaker, complementary comments and the enthusiasm of the speakers, the chairman considered the 1983 Drug Metabolism Gordon Research Conference a success.

I want to acknowledge my co-chairman, Dr. Robert Hanzlik for his assistance and the staff of Holderness School, especially Mr. Roberts for making the meeting in July, 1983 a pleasant occasion. Dr. Cruickshank, Director, and his staff are also complimented for their administrative efficiencies which made my job easier.

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