BIOGRAPHICAL SKETCH
Provide the following information for the key personnel in the order listed for Form Page 2.
Follow this format for each person. DO NOT EXCEED FOUR PAGES.

NAME | POSITION TITLE
---|---
Charles J Kowalski | Professor of Dentistry

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

<table>
<thead>
<tr>
<th>INSTITUTION AND LOCATION</th>
<th>DEGREE (if applicable)</th>
<th>YEAR(s)</th>
<th>FIELD OF STUDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roosevelt University, Chicago</td>
<td>B.S.</td>
<td>1962</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Michigan State University, East Lansing</td>
<td>M.S.</td>
<td>1965</td>
<td>Statistics</td>
</tr>
<tr>
<td>University of Michigan, Ann Arbor</td>
<td>Ph.D</td>
<td>1968</td>
<td>Biostatistics</td>
</tr>
</tbody>
</table>

NOTE: The Biographical Sketch may not exceed four pages. Items A and B may not exceed two of the four-page limit.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

Professional Experience:
1968-71 Assistant Professor of Dentistry, Dept of Oral Biology, School of Dentistry, Univ Michigan
1968-71 Consultant, Statistical Research Laboratory, Rackham Graduate School, Univ Michigan
1971-78 Associate Professor of Dentistry, Dept of Oral Biology, School of Dentistry, Univ Michigan
1971-78 Assistant Director, Statistical Research Laboratory, Rackham Graduate School, Univ Michigan
1978-present Professor of Dentistry, Dept Biological and Materials Sciences, Univ Michigan
1991-present Statistician, Center for Statistical Consultation and Research, Univ Michigan

Awards and Other Professional Activities:
1996-present Chair, Health Sciences Institutional Review Board, Univ Michigan

B. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation.

Representative Recent Publications – past three years


Earlier representative publications:

C. Research Support. List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and responsibilities of principal investigator identified above.

NIH-NIDCR RO1 DE12059 (Completed)
"Pathogenesis of TMD Myalgia Symptoms"
Overall Aim:
To examine the sequence of events that occur at sensory and autonomic levels as the human undergoes experimental pain in deep tissue.

NIH-NIDCR RO1 DE12743 (Completed)
"Sex Differences in Regional \(\mu\)-Opioid Receptor Pain Processing"
Overall Aim:
To examine the sex differences in pain processing by \(\mu\)-opioid receptors in experimentally induced tonic muscle pain in man.