Acknowledgments

The following members of ICPI provided critical resources to develop this presentation:

- College of American Pathologists
- Association of Pathology Chairs
- American Society for Investigative Pathology
- American Society for Clinical Pathology
- United States Canadian Academy of Pathology
What is Pathology?

• Diagnostic Medicine
• Teaching
  ▪ Medical Students
  ▪ Residents
  ▪ Graduate Students
  ▪ Fellow Physicians
• Basic and Clinical Research into Mechanisms of Disease
What are the Career Options for Pathologists?

- **Community Practice (80%)**
- **Academic Practice & Medical School Administration (15%)**
- **Industry (3%)**
- **Government, Public Health & Regulatory Positions, e.g., FDA (1%)**
Job Hunting Experience After Residency, First Jobs - 2002

<table>
<thead>
<tr>
<th>Applications Submitted</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 3</td>
<td>41%</td>
</tr>
<tr>
<td>4 to 6</td>
<td>21%</td>
</tr>
<tr>
<td>7 or more</td>
<td>33%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interviews</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>3%</td>
</tr>
<tr>
<td>1 to 3</td>
<td>66%</td>
</tr>
<tr>
<td>4 to 6</td>
<td>28%</td>
</tr>
<tr>
<td>7 or more</td>
<td>3%</td>
</tr>
</tbody>
</table>

ASCP Residency Survey Data, N=58
# Job Hunting Experience After Residency, First Jobs - 2002

## How many Offers?
- none: 5%
- 1: 38%
- 2: 23%
- 3: 18%
- >3: 16%

## Salary Offered:
- >$125,000: 63%
- $101-$125,000: 23%
- $76-$100,000: 8%
- <$75,000: 2%
- Not discussed: 4%

ASCP Residency Survey Data, N=58
Job Hunting Experience
First Jobs - 2002

What preference for practice?

• Community Practice 57%
• Academic Medicine 27%
• No Preference 14%
• Other 2%

ASCP Residency Survey Data, N=58
What and How Long are the Training Programs?

- Anatomic & Clinical Pathology (4y) 85%*
- Anatomic Pathology (3y) 10%
- Clinical Pathology (3y) 3%
- Research Pathology (lifetime) 1%

* Percentage of Programs
Pathology Specialties (Fellowship Training)

Clinical Pathology:
- Hematology
- Microbiology
- Transfusion Medicine
- Cytogenetics
- Clinical Chemistry
- Nuclear Medicine
- Dermatopathology
Pathology Specialties (Fellowship Training)

Anatomic Pathology:
- Cytology
- Gynecologic Pathology
- Neuropathology
- Surgical Pathology
- Pediatric Pathology
- Gastrointestinal
- Bone & Soft Tissue
- Head & Neck
- Lung
Pathology Specialties (Fellowship Training)

Mixed Specialties:
- Forensic Pathology
- Hematopathology
- Molecular Diagnostics
- Informatics
What is the Lifestyle for Pathologists?

- 48 hour work week vs. 55 hour average work week all specialties
- Above average professional satisfaction (70%)
- Above average family satisfaction
- Average professional respect
- Below average stress
Current and Future Career Opportunities

- Starting salary offers over $125,000 – above primary care specialties, slightly below surgical specialties
- Two offers for each graduating candidate; higher for U.S. graduates
- 20,000 Board-Certified Pathologists U.S.; 2,500 in training (800,000 physicians in U.S.)
- Anticipated increased job opportunities in five years
Current and Future Career Opportunities

- Every academic department in U.S. has a vacancy (130 medical schools; 155 training programs)
- Pathology Departments have $400 million in NIH research grants – more than many NIH institutes (Special Opportunities for Physician Scientists)
- Diagnostic Medicine: $35 billion market, growth 5-7% yearly
Pathology Practice Demographics

Type of Practice

- Solo: 7%
- Pathology Group: 67%
- Multispecialty Group: 7%
- Medical School: 10%
- Hospital: 10%
- Independent Laboratory: 9%
- Locum Tenens: 1%

College of American Pathologists Survey, N=940
Pathology Practice Demographics

Practice Size

- Solo 7%
- 2 11%
- 3-4 25%
- 5-6 18%
- 7-10 13%
- 11 or more 22%

College of American Pathologists Survey, N=940
Pathology Salaries

Median Income by Age

• All Ages $220,000
• < 40 $180,000
• 40 – 49 $230,000
• 50 – 59 $250,000
• > 59 $200,000

College of American Pathologists Survey, N=940
Pathology Salaries

Income Information from Other Sources

AAMC (ASCP data)
- Range $127,000 to $314,854
- Average $194,813

Pam Pohly’s Net Guide
- Average $194,813
- 169,138 to $232,432

(Median, various sources, 1997 data)
Pathology Workload

Mean hours per week 48 hrs
- Surgical Pathology 25.0
- Cytopathology 5.9
- Billable Clinical Pathology 2.6
- Clinical Pathology Management 7.4
- Teaching/Research 1.9
- Autopsy 2.1
- Other 3.1

Mean Total, Other Medical Specialties 55 hrs
College of American Pathologists Survey, N=940
Pathology Resident Career Plans

- Pursue More Training: 58%
- Private Practice: 19%
- Academic Medicine: 19%
- Military: 2%
- Leave Pathology or US: 1%
- Not yet employed: 0.6%

AMA FRIEDA, N=351 Residents Completing Training, 2001
Pathology Training Programs

Total # of Residents  2,212
Avg. # per Program  14.3
Avg % Female  49.7%
Avg % IMG  57.1%

AMA FRIEDA, Training Program Survey, 2001
Pathology Training Programs

Faculty Characteristics

Avg. Number Full-Time 24.5
Avg. Number Part-Time 2.1
Avg. % Female 28.7%

AMA FRIEDA, Training Program Survey, 2001
Pathology Training Programs

Resident Workload

Avg. Weekly Workload
48.3 hours

Avg. Annual Compensation
$36,498

Avg. Vacation
3.1 weeks

AMA FRIEDA, Training Program Survey, 2001
Where to go & what to do next?

For information about pathology training and fellowships:

- www.abppath.org
- www.pathologytraining.org
- www.acgme.org
Where to go & what to do next?

To find out about individual training or fellowship programs:

- www.pathologytraining.org
- www.apcprods.org
- www.university.edu
- www.medical_school.edu/pathology
Where to go & what to do next?

To find a job:
- www.ascp.org
- www.asip.org
- www.cap.org
- www.PathologyOutlines.com
Where to go & what to do next?

To learn more about pathology:
- www.apcprods.org
- www.asip.org
- www.uscap.org
- www.ascp.org/member/rps/
- www.aclps.org
- www.cap.org/html/member/residents_forum.html
- www.aamc.org/students/considering/start.htm
Where to go & what to do next?

- www.abppath.org
- www.apcprods.org
- www.ascp.org
- www.asip.org
- www.cap.org
- www.uscap.org
- www.aclps.org
- www.medical_school.edu/pathology
- www.pathologytraining.org
- www.university.edu
Address inquiries to:
John K. Duckworth, M.D.
Director, Pathology Residency Program
University of Tennessee College of Medicine

Department of Pathology and Laboratory Medicine
930 Madison Avenue 5th Floor
Memphis, Tennessee 38163