



Associazione Italiana Tecnici Istologia Citologia

CON IL PATROCINIO DI



# XXXII CONGRESSO NAZIONALE

## IN TECNICHE DI LABORATORIO BIOMEDICO

**L'evento scientifico  
di riferimento  
per le novità in  
Anatomia Patologica**

**29 | 31 OTTOBRE 2025**

**PALARICCIONE - PALAZZO DEI CONGRESSI - RICCIONE**

**Marcella Foti**

**Stanford Medicine - Health Care - Palo Alto - California  
(US)**



## Da Tecnico di Laboratorio Biomedico a Certified International Histotechnologist negli US

- Visto per poter lavorare negli US
- Valutazione del titolo di studio
- Curriculum
- Certificazione ASCP (American Society of Clinical Pathology)

## TIPI DI VISTO

**Visto H-1B**: Per professionisti specializzati che svolgono lavori in un campo specifico, come ingegneria, scienze, matematica, e che possiedono una laurea specialistica o un'esperienza equivalente.

**Visto L-1**: Per trasferimenti intra-aziendali; permette a un'azienda di spostare dipendenti da una filiale estera a una statunitense.

**Visto O-1**: Per individui con abilità straordinarie riconosciute a livello nazionale o internazionale in campi come scienza, arte, educazione, affari o sport.

**Visti H-2A e H-2B**: Per lavoratori temporanei o stagionali, rispettivamente in agricoltura (H-2A) o in altri settori (H-2B).

**Visti E-1 e E-2**: Visti specifici per commercianti (E-1) e investitori (E-2) che intendono avviare un'attività negli Stati Uniti.

**Altri visti**: Esistono anche visti per tirocini (H-3), atleti e artisti (P), lavoratori religiosi (R1) e partecipanti a programmi di scambio culturale (Q1).

## Degree Evaluation

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# Curriculum

### EDUCATIONAL AND PROFESSIONAL CURRICULUM

MARCELLA FOTI, BS, MSFS, HT(ASCP)<sup>CM</sup>, HTL(ASCP)<sup>CM</sup>

Phone number: +1 (415) 712 8628

E-mail: foti.marcella@gmail.com

Citizenship: Italian

Immigrant Visa: Permanent Resident DV2 (Green Card)

Bachelor's Degree (BS) Biomedical Laboratory Health Technician (U.S. equivalency evaluation from WES)

Master's Degree (MSFS) Forensic Sciences and Medicolegal Procedures for Medical Health Professionals

HT(ASCP)<sup>CM</sup>

HTL(ASCP)<sup>CM</sup>

#### Employment

> "Histology Technician I" - Stanford Healthcare - General Histology - Palo Alto (CA) - FT - from 01/22/2024 to today.

#### Main tasks:

Cut an average of 80-100 blocks per day while maintaining a high-quality product;

Cut high-quality 1-4 micron sections of small and difficult biopsy specimens;

Ability and willingness to assume independent responsibility;

Maintains cooperative and professional attitude when interacting with others, both inter- and intradepartmental;

Comply with all applicable health and safety policies;

Performs quality control on sections and staining procedures to ensure a high-quality finished product;

Perform routine H&E stains as well as special stains;

Organize and prioritize specimens and tasks to produce a high-quality product in an efficient and timely manner;

Work overtime and cover other shifts as warranted by the department;

Participate in on-call rotations;

Work as a fast-paced, high-volume laboratory;

Ability to prioritize and successfully multitask;

Participate positively in all department meetings;

Participate in the rotation as department safety officer;

Committed to customer satisfaction;

Committed to working in a team environment;

Follow written and oral directions;

Adaptability to change, collaboration toward common goals, is self-motivated and takes initiative;

Communication skills involve active listening and proper email etiquette.

#### Previous Employment

> "Research Technologist II" - J.D. Gladstone Institutes - Histology and Light Microscopy Core Facilities - San Francisco (CA) - FT - from 01/01/2023 to 04/23/2024.

#### Main tasks:

- Active collaboration with researchers inside and outside Gladstone Institutes (before, during, and after the development of the projects);

- Support, review, and management of histology project requests upon ILab;

- Acceptance, grossing, processing, and embedding of human and animal tissues;

- Fresh tissues OCT embedding;

#### Certification/Licenses

> HT(ASCP)<sup>CM</sup>  
> HTL(ASCP)<sup>CM</sup>

#### Qualifications/Internship

> Graduated Scientific High School in 1995 (grade 49/60)

> Bachelor's degree Biomedical Health Laboratory Technician (November 2003, grade 100/110), thesis title

"Immunohistochemical study by brushing of p53 protein expression in cases of Vater's papilla pathology". Supervisor: Prof. P. Grigolato (Head of the II Service of Pathological Anatomy - Spedali Civili di Brescia); Co-Supervisor: Dr. P. Villanesi

> License for practice in Medical Laboratory Technician (19/11/2003, University of Brescia)

> 3000 hours of Internship carried out at the II Service of Anatomy Pathology - "Spedali Civili" of Brescia (s.y. 2000-2003)

#### Activities performed:

- Histological samples acceptance
- Laboratory of histology and histochemistry: observation of the techniques of inclusion and cutting of histopathological samples; routine staining of sections of samples fixed and included in paraffin and cytological samples fixed in ethanol at 95%; Hematoxylin-Eosin, Giemsa, Ziehl-Neelsen, Mason's trichrome, Silver Methenamine, iron, Pas, Papanicolaou, Orcein, Alcian-blue, Gram, Crystal-Violet, Congo Red, Reticulum; preparation of working solutions
- Flow Cytometry Laboratory: ploidy determination of tumor tissue samples (in paraffin, fresh and frozen) with the aid of the cytofluorometer; staining of paraffin sections and application: Ag-Not, Feulgen, Hematoxylin; preparation of working solutions
- Cytogenetics Laboratory: taking samples (smears and sections) from tissues of organs that arrive fresh for histological acceptance; preparation of cell cultures of cancer and non-cancer samples for cytogenetic investigations; fixation of cells in mitosis, chromosome release, and banding procedure for determining the karyotype
- Cytological Samples Acceptance
- Cytology Laboratory: preparation on slides of cytological samples (urine, sputum, biological fluids, washings, needle aspiration, mammary secretion) with centrifugation, smear, and/or cytocentrifugation; staining of preparations and cervicovaginal smears with the Papanicolaou method, May-Grunwald-Giemsa staining, Congo Red (on liposuction); preparation of cytological specimens from brushing of Vater's papilla carried out in the operating room during endoscopic cholangiopancreatography; staining of smears from brushing with the Papanicolaou method and subsequent application of immunohistochemistry to search for p53 protein
- Immunohistochemistry Laboratory: acquisition of immunohistochemical techniques; antigen unmasking by microwave pre-treatment; preparation of working solutions; search for antigens on paraffin-embedded and cytological tissue sections fixed in ethanol; direct immunofluorescence on tissue sections fixed by nitrogen freezing (kidney and skin biopsies)

#### Scholarships

Awarred the scholarship "Walter Silvestri" for research against cancer allocated by the COOP Lombardy for the s.y. 2002/2003

#### Extra-university professional training

- Internship at the cyto-histopathology laboratory "Centro Diagnostico Ippocrate" (CS) from March 2004 to January 2005

- B.S.-D Course (Azienda Ospedaliera di Coenza - 23/11/2021)

#### University training experiences

> Master's Degree, "Forensic science and medicolegal procedures for health professionals" University "Magna Graecia" in Catanzaro (23 Gen 2014, score 30/30 + 1500 hours), the final paper title "Deepening instrumental and laboratory on the subject of injury from firearms"

> Academic Specialization Course, "Anatomic-pathological diagnostic techniques" Faculty of Medicine of the University of Rome "Tor Vergata" (score 110/110, the academic year 2000/2010 - 500 hours), the final paper title "Colorectal cancer and the importance of the K-Ras protein as a predictive biomarker of the response to anticancer drugs"

#### Attending scientific events

Speaker, as a winner of the scholarship for the academic year 2002/2003, at the course "Giornata a favore della ricerca contro il cancro, Borsa di studio Walter Silvestri - memoria -" (Brescia, 29 November 2003), bachelor's Final Paper exhibition

#### Instrumental knowledge and expertise

#### Histopathology Lab:

- Rotary microtome (Leica Epredia)
- ASP9008 Tissue Processor (Leica)
- EXCELSIOR AS tissue Processor (Epredia)
- EG 1160 Embedding Station (Leica)
- HistOstar Embedding Station (Epredia)
- CM1860 Cryostat (Leica)
- ST3020-CY500 Slides Autostainer (Leica)
- Link48 Immunostainer (Dako)
- P7-Link for antigenic screening and unmasking (Dako)
- Cytosort NX70 Cytosort (Epredia)

#### Microscopy:

- Aperio Versa Slide Scanner Microscope (Leica)

- VS200 Slide Scanner Microscope (Olympus)

#### Transfusion Lab:

- Groups and compatibility tests: Ortho AutoVue Innova System; Vision BV Analyzer (Ortho Clinical Diagnostics)
- Wash, Glycolize, and deglycolize red cells: ACP 215 (Hemometer)
- Serology: Vitros EC6Q (Ortho Clinical Diagnostics)
- Molecular Biology: Cobas s 20i System (Roche)
- Heraeus Multifuge Refrigerated Centrifuges (Thermo)
- Giemsa blood component sorter (Dacomb)
- XN100 SA-i1 (Sysmex)
- Revealx (TerumoBCT)
- Microport Smart (MacoPharma)
- Intercept Illuminator (Cerus)
- RAYCELL Mk1 (Best Theratronics)
- TSK-11 Sterile tubing welder (Terumo)
- Maxwell IVD (Promega)
- T100 Thermal Cycler (Bio-Rad)
- ProfileBlue T48 (Nuclear Laser Medicine Diagnostic)

#### Analytical Laboratory:

- Chemistry serum/urine: Architect Plus C4100 (Abbott)
- Coagulation: ACL TOP 500cs
- Urine chemistry: Aultin Max AX 4290 (AkrRay)

Board Of Certification

ASCP  
American Society of Clinical Pathology

[www.ascp.org](http://www.ascp.org)

## International Histotechnician/Histotechnologist Certification

### Route 1

- High school completion or equivalent,
- AND successful completion of an accredited/approved\* Histotechnician clinical training program which includes an internship in histotechnology. This histotechnician clinical training program and internship must be completed after high school completion.

*\*Accredited/approved by a governing regulatory association or Ministry. Countries without a prevalent system of accreditation/approval must have programs/educational institutions approved by an International Advisory Board appointed by the ASCP Board of Certification, or eligibility will be determined by [an acceptable transcript evaluation](#). The foreign degree must be equivalent to a U.S. degree.*

*\*\*Clinical laboratory accredited by JCI, CAP, under ISO 15189 or authorized by a governing regulatory association or Ministry. Countries without a prevalent system of accreditation must have laboratories approved by an International Advisory Board appointed by the ASCP Board of Certification.*

### Route 2

- Two-year diploma from an accredited/approved\* educational institution,
- AND one year of acceptable clinical\*\* experience in a histopathology laboratory OR one year of acceptable veterinary, industry, or research experience in a histopathology laboratory.

Certificazione International Histotechnician/Histotechnologist

Laboratory Experience

#### FIXATION

- Tissue Identification
- Parameters (e.g., pH, time, temperature)
- Reagents
- Selection, preparation, and use of fixatives for various applications
- Troubleshooting/problem solving of fixation artifacts

#### PROCESSING

- Selection, preparation, and use of decalcification reagents
- Selection of appropriate processing methods (e.g., routine histology, immunohistochemistry, cytology)
- Operation and maintenance of a tissue processor

#### EMBEDDING / MICROTOMY

- Tissue identification and orientation for embedding
- Operation and maintenance of an embedding center
- Microtomy (e.g., paraffin, frozen)
- Operation and maintenance of a microtome / water bath and cryostat

#### STAINING

- Selection of appropriate control material
- Reagent preparation
- Operation and maintenance of staining equipment
- Mounting and coverslipping procedures
- Identification of tissue structures and their staining characteristics
- Routine staining (i.e., H&E)
- Special staining (e.g., carbohydrates and amyloid, connective tissue, microorganisms, pigments and minerals)

#### LABORATORY OPERATIONS

- Operation, preventive maintenance, and corrective action for equipment
- Troubleshooting
- Quality control
- Application of laboratory safety protocols

## The iHT/iHTL Exam

### EXAMINATION CONTENT AREAS

<b>CONTENT AREAS</b>	<b>EXAM PERCENTAGES</b>
<b>FIXATION</b>	<b>15 – 25%</b>
<b>PROCESSING</b>	<b>10 – 20%</b>
<b>EMBEDDING/MICROTOMY</b>	<b>15 – 25%</b>
<b>STAINING</b>	<b>30 – 40%</b>
<b>LABORATORY OPERATIONS</b>	<b>10 – 15%</b>

**Thank You!**